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Report

Groundwater Investigation

**Former Western Zone Warehouse –
Kodak Regional Distribution Center
12100 Rivera Road
Whittier, California 90606**

Submitted to:

NPEC, Inc.
April 2011

Prepared by:
GEOLOGICA, Inc.

**5 Third Street, Suite 224
San Francisco, California 94103
Phone: (415) 597-7883
Fax: (415) 597-7880**



May 2, 2011

Cal-EPA - Department of Toxic Substances Control
Brownfields and Environmental Restoration Program
Southern California - Chatsworth Office
9211 Oakdale Avenue, Chatsworth, California 91311

Attention: Mr. Jose F. Diaz, Project Manager

Subject: Report Transmittal

Groundwater Investigation
Docket Number HAS-VCA-09/10-063
Site 301482 (11 WP)
Former Eastman Kodak Company Western Zone Warehouse
18250 Euclid Street
Fountain Valley, California 92708

Dear Mr. Diaz:

This letter transmits our Groundwater Investigation Report for the above-identified site. This report presents the data and a summary of findings of the investigation, and includes recommendations and conclusions. The scope of work was generally conducted as described in GEOLOGICA's May 17, 2009 Groundwater Investigation Work Plan and in the Voluntary Cleanup Agreement HAS-VCA 09/10-063 executed between NPEC, Inc. (Eastman Kodak Company) and the California Environmental Protection Agency Department of Toxic Substances Control.

Thank you in advance for your continued assistance with this site. Should you have any questions, please do not hesitate to contact us at 585-588-8184.

Sincerely,



Terrence Lee
President, NPEC Inc.

CC: Jose Diaz, DTSC
Ray Grutzmacher, DTSC
Lynda Deschambault, USEPA
Keith Olinger, USEPA
Tom Perina, CH2M Hill
Neal Holdridge, EASI
Brian Aubry, GEOLOGICA, Inc.
Charles Wechsler, GEOLOGICA, Inc.

Enc

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Innovative Strategies for Managing Environmental Liability

April 28, 2011

NPEC, Inc.
3800 Dewey Avenue, #317
Rochester, New York 14616-2579

Attention: Mr. Terrence Lee

RE:

**Report
Groundwater Investigation
Former Western Zone Warehouse –
Kodak Regional Distribution Center
12100 Rivera Road
Whittier, California 90606**

Dear Mr. Lee:

GEOLOGICA, Inc. (GEOLOGICA) is pleased to present this Groundwater Investigation Report for the Former Western Zone Warehouse – Kodak Regional Distribution Center, located in Whittier, California. The scope of work was developed by GEOLOGICA and NPEC, Inc. to: 1) evaluate on-site groundwater quality conditions; 2) assess these conditions relative to local off-site groundwater quality; and, 3) evaluate project-area groundwater flow direction.

We have enjoyed working with you on this project and appreciate the opportunity to be of service. Should you have any questions, please do not hesitate to contact us at (949) 270-6101 or (415) 597-7883.

Very truly yours,
GEOLOGICA, Inc.

Charles E. Wechsler
Project Manager

Brian F. Aubry, R.G., C.E.G., C.Hg.
Principal

Report

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**Former Western Zone Warehouse –
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12100 Rivera Road
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Prepared for:

NPEC, Inc.

**Prepared by:
GEOLOGICA, Inc.**

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April 2011

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REPORT

GROUNDWATER INVESTIGATION

FORMER WESTERN ZONE WAREHOUSE – KODAK REGIONAL DISTRIBUTION CENTER 12100 RIVERA ROAD WHITTIER, CALIFORNIA 90606

1.0 INTRODUCTION AND PURPOSE

GEOLOGICA, Inc. (GEOLOGICA) is pleased to submit this report summarizing groundwater investigation findings from the Eastman Kodak Company's Former Western Zone Warehouse property located at 12100 Rivera Road, Whittier, California ("site," "subject property," or "property"), as shown in **Figure 1**. The site is owned by CLPF Whittier Industrial LP (CLPF). The purpose of the scope of work performed is to: 1) evaluate on-site groundwater quality conditions; 2) assess these conditions relative to local off-site groundwater quality; and, 3) evaluate project-area groundwater flow direction.

2.0 SITE DESCRIPTION

The site includes a single-story, approximately 218,000-square-foot building with about 7,000 square feet of parking space located in a principally commercial and industrial area of Whittier, California. The site was constructed and used as a regional warehousing and distribution center for Eastman Kodak Company ("Kodak") products, including liquid photochemicals, film, photo paper, and other products, until approximately 2009. Administrative and marketing activities were also performed on site. No manufacturing or film/photo processing was ever performed at the property by Kodak. Groundwater is present beneath the site at approximately 40-45 feet below ground surface (bgs).

3.0 GENERAL SITE HISTORY

Prior to site development for its current use, the subject property appears to have been used for agricultural purposes from at least 1928 through the site's first reported development by Kodak in 1959, when the current building, the former Western Zone Distribution Center (also known as the Warehouse or Office and Distribution Center) was constructed. Site buildings and configurations have changed over time. A small Technical Building was built in 1959, along with the original Warehouse Building, which now comprises the northeastern portion of the current Office and Distribution Center. The Office and Distribution Center was expanded several times, reportedly most recently in 1985. Another small Marketing Building was constructed in

1975. A small Flammable Storage Building was added in 1985. The northern portion of this Flammable Storage Building was primarily used for hazardous materials storage (principally film adhesives); the southern portion was reportedly leased to a plastics recycling company. The Technical Building, Marketing Building, and Flammable Storage Building were demolished in approximately 1999. No manufacturing or film/photo processing was ever performed at the property by Kodak. No documented or anecdotal evidence of accidental spills, releases or other inadvertent discharges of Volatile Organic Compounds (VOCs) have been identified for the subject property facility. No evidence of a significant release of solvent, hydrocarbon, or photofinishing constituents has been identified at the site.

Kodak sold the subject property to Pacific Gulf Properties Inc. (Pacific Gulf) in 1998 and leased back the facility from Pacific Gulf. The property was subsequently sold by Pacific Gulf. The current property owner is CLPF. Kodak leased the facility from CLPF 2007. On March 1, 2008, Kodak assigned the lease to Ryder. Operations ceased in mid-2009. The Ryder lease terminated in the fall of 2010.

3.1 Site Chemical Use

This section describes historic site chemical use, principally with respect to compounds of interest at the Omega Superfund Site (**Section 5.0**).

No documented evidence or other records, such as MSDSs, chemical inventories, use permits, hazardous materials business plans, waste disposal records, or other documents were identified confirming the historic use/storage of: Trichloroethylene (TCE), Tetrachloroethylene (PCE), Chromium, 1,2-Dichloroethene (1,2-DCE), 1,1-Dichloroethene (1,1-DCE), 1,1-Dichloroethane (1,1-DCA), Vinyl Chloride, Chloroform, or Perchlorate. Standard photofinishing chemicals (fixers, developers, etc.), which were the primary large quantity chemicals stored on site, are not known to have ever contained these constituents. Thus, storage and/or use of these Volatile Organic Compounds (VOCs) and other compounds would have been only in small quantities. These materials would either have been components of materials warehoused on site or used in small quantities in warehouse facility maintenance shop activities (e.g., for film or parts cleaning agents). For similar reasons, no reason has been identified to believe that perchlorate was ever used on-site in material quantities. Use of 1,4-Dioxane has been identified as limited to certain film adhesives (generally stored in the Flammable Storage Building during its on-site presence).

The compound 1,1,1-trichloroethane (1,1,1-TCA) was used in very small volumes (<2 gal/year) at the facility for parts cleaning in the maintenance area. When present, 1,1,1-TCA was stored in a single 55-gallon drum in a dedicated hazardous materials storage cabinet. Waste material such as contaminated rags or other media were containerized and sent off-site for disposal.

3.2 Former Underground Storage Tanks Investigations and Removals

Two underground storage tank (UST) locations were formerly present on site. Background information and key investigation activities and findings are summarized below. The former UST locations are shown in **Figure 2**. Soil data are compared to United States Environmental Protection Agency (USEPA) Regional Screening Levels (RSLs) dated November 2010. Groundwater data are compared to current USEPA Maximum Contaminant Levels (MCLs) and State of California (CA) MCLs.

3.2.1 Former Photochemical UST

In July 1984, an overfill incident occurred at a 1,000-gallon waste photochemical UST used for discharge (via a disposal sink) of residual liquid photo-chemicals from warehoused leaking or damaged containers. Subsequent excavation around the upper part of the tank revealed a leak in the pipeline that conveyed materials from the disposal sink to the tank resulting in impacts to soil in the tank backfill. The tank and “obviously contaminated” soils were both removed for off-site disposal in July 1984 (IT, 1984). All soil analytical test results were below relevant criteria. Underground Storage Tank closure information was reportedly submitted to the Los Angeles Regional Water Quality Control Board (LARWQCB); however, related records have not been identified.

To further assess conditions at the former UST location, a soil and groundwater investigation was conducted at the UST site in July 2008 by GEOLOGICA (2008). The investigation included advancement of two direct-push soil borings and installation of one temporary groundwater well. Soil and groundwater samples were collected for laboratory analyses, and generally included: Total Petroleum Hydrocarbons (TPH), VOCs, cadmium, chromium, mercury, silver, ammonia, nitrate, nitrite, sulfate, total cyanide, and pH.

Soil Quality. Soil samples were collected primarily for lithologic-logging purposes; however, one soil sample from each boring was analyzed for mercury as part of a site-wide background concentration assessment. Mercury is not a site-related constituent; however, it was added to the analytical suite at the request of the site owner. The resulting concentrations, ranging from 34 micrograms per kilogram ($\mu\text{g}/\text{kg}$) to 96 $\mu\text{g}/\text{kg}$, were below EPA residential and industrial soil RSLs, and exceeded the risk-based soil screening level (SSL) of 30 $\mu\text{g}/\text{kg}$ for the protection of groundwater. These concentrations were consistent with background soil concentrations in California.

Groundwater Quality. The groundwater sample was analyzed for TPH, VOCs, metals, and photochemical-specific constituents. Nitrate was the only constituent that exceeded potentially applicable criteria. Nitrate was detected at a concentration of 46 milligrams per Liter (mg/L). The USEPA MCL for nitrate is 10 mg/L and the CA MCL for nitrate is 45 mg/L.

3.2.2 Former Fuel Oil UST

A former Fuel Oil UST of unknown size was located inside the building adjacent to the Maintenance Area near the northeast corner (**Figure 2**). The UST was reportedly used to store

diesel fuel oil as backup fuel for the facility's boilers, and was reportedly removed in the mid-1980's. No evidence of soil or groundwater characterization or formal closure documentation was identified.

Two direct-push soil borings were drilled in locations near the former Fuel Oil UST site (GEOLOGICA, 2008). Soil samples were collected at five-foot intervals to a maximum depth of 35 feet below ground surface (bgs). A temporary well consisting of one inch PVC well screen and riser) was installed in each of the borings. Soil and groundwater samples were collected from both borings/wells and analyzed for suites of the following parameters: Total Petroleum Hydrocarbons (TPH), VOCs, and pH.

Soil Quality. TPH as Volatile Fuel Hydrocarbons (TPH-VFH) was detected in only one of eight soil samples tested at a concentration of 92 µg/kg. TPH-VFH was not detected in the two successively deeper samples from the corresponding boring. No VOCs were detected.

Groundwater Quality. TPH-VFH was the only hydrocarbon detected, at a concentration of 380 micrograms per Liter (µg/L), in one of the two groundwater samples collected. No USEPA or CA MCLs exist for TPH-VFH. Chloroform and trichlorofluoromethane were detected at concentrations below potentially applicable USEPA and CA MCLs. The following VOCs were detected in the two groundwater samples at concentrations above potentially applicable MCLs:

- 1,1-Dichloroethylene (1,1-DCE) at 64 µg/L and 110 µg/L (USEPA MCL - 7 µg/L and CA MCL - 6 µg/L);
- Tetrachloroethylene (PCE) at 28 µg/L and 77 µg/L (USEPA MCL and CA MCL - 5 µg/L);
- Trichloroethylene (TCE) at 340 µg/L and 580 µg/L (USEPA MCL and CA MCL - 5 µg/L);
- 1,2-Cis-DCE at 29 µg/L and 42 µg/L (USEPA MCL - 70 µg/L and CA MCL - 6 µg/L).

3.3 Clarifier Areas' Investigations and Closures

Two subsurface clarifiers were investigated and closed during July and August 2008 by GEOLOGICA (2008). Background information plus key activities and findings are summarized below. Soil data are compared to USEPA RSLs dated November 2010. Groundwater data are compared to current USEPA MCLs and CA MCLs.

3.3.1 Former Exterior Clarifier and Associated Interior Drain

The former Exterior Clarifier was located outside of the building near the exterior southwest corner (**Figure 2**) and was permitted by the Los Angeles County Sanitation District (LACSD) to discharge certain materials to the sanitary sewer, including out-of-specification and other photochemicals, via a sink into an interior floor drain (Associated Interior Drain) in the southwest building interior.

Soil samples were collected from multiple borings drilled before the former Exterior Clarifier was decommissioned, and then from excavation wall/floor locations during excavation activities. Temporary wells were installed in two of the borings and one groundwater sample was subsequently collected from each well. Soil and groundwater samples were analyzed for petroleum hydrocarbons, VOCs, metals, photochemical-specific constituents, and pH. Soil samples were also collected from the Associated Interior Drain site and analyzed for the same suite of constituents. Soil data were compared to USEPA RSLs dated November 2010.

Groundwater data are compared to current USEPA and CA MCLs.

Soil Quality. TPH as Extractable Fuel Hydrocarbon (TPH-EFH) were detected at concentrations ranging from 10,000 µg/kg – 63,000 µg/kg, below potentially applicable criteria. One VOC, styrene, was detected in one soil sample, at a concentration of 5.0 µg/kg, below potentially applicable criteria. Cadmium and chromium were detected in several soil samples at concentrations below potentially applicable criteria. Mercury was detected at concentrations ranging from 34 µg/kg to 35 µg/kg, below EPA residential and industrial RSLs. These concentrations marginally exceed the risk-based SSL of 30 µg/kg for the protection of groundwater and the MCL-based SSL for the protection of groundwater. However, these concentrations are consistent with background soil concentrations in California. Total cyanide was detected at 1,300 µg/kg in one soil sample, below potentially applicable criteria.

Nitrate was detected in the majority of the soil samples at concentrations below potentially applicable criteria. Nitrite was detected in one soil sample at a concentration of 2.3 mg/kg. Sulfate was detected in soil samples at concentrations ranging from 40 mg/kg to 2,900 mg/kg. There are no listed criteria for sulfate in soil. Ammonia was detected in two soil samples at concentrations below potentially applicable criteria.

Groundwater Quality. Neither TPH-VFH nor TPH-EFH was detected in either of the two groundwater samples analyzed. TCE was the only VOC detected, and was detected in one groundwater sample at a concentration of 5.2 micrograms per Liter (µg/L), marginally above the 5.0 µg/L USEPA and CA MCLs. None of the target metals (cadmium, chromium, mercury, and silver) were detected in the groundwater samples tested. Cyanide was detected in one of the groundwater samples at a concentration of 34 µg/L, below potentially applicable criteria.

Nitrate was detected at 260 mg/L and 220 mg/L, above the USEPA and CA MCLs (10 mg/L). Nitrite was detected in one sample at 4 mg/L, above the USEPA and CA MCLs (1 mg/L). Sulfate was detected at 940 and 610 mg/L, above the USEPA and CA secondary MCL of 250 mg/L. Ammonia was detected in the two groundwater samples tested at concentrations ranging from 1,000 to 1,300 µg/L. There are no listed criteria for ammonia.

Decommissioning Activities. The former Exterior Clarifier was decommissioned during field activities conducted during July and August 2008. Principal activities included: removing residual materials; pressure-washing/rinsing internal clarifier and weir chambers; disconnecting and capping inlet/outlet pipes; physically removing the clarifier and adjacent soil; and, backfilling the excavation with compacted granular material and applying reinforced-concrete

ground surface. The associated Interior Drain area was decommissioned by: removing pH adjustment lines; removing the tile and concrete flooring; excavating the sub-floor soil; disconnecting and capping inlet/outlet pipes; backfilling the excavated area with compacted granular material; and, finishing the floor with reinforced-concrete.

3.3.2 Former Maintenance Area Clarifier

A decommissioned and closed-in-place, subsurface clarifier (Maintenance Area Clarifier) was located in the Maintenance Area near the northeast corner of the building, adjacent to the former Fuel Oil UST site described above. This clarifier was installed at an unknown time prior to about 1985, reportedly as a clarifier and oil-water separator for Maintenance Area floor wash water discharge. Facility personnel discontinued use of this former Maintenance Area Clarifier in approximately 1986.

Three direct-push soil borings were drilled by GEOLOGICA (2008) at locations adjacent to the clarifier. Soil samples were collected for laboratory analysis from each boring to a maximum depth of 20 feet bgs. No groundwater characterization was performed as part of this investigation. Soil samples were generally analyzed for: TPH, VOCs, mercury, and pH. Soil data are compared to USEPA RSLs dated November 2010. Groundwater data are compared to current USEPA and CA MCLs.

Soil Quality. Neither TPH-VFH nor TPH-EFH was detected in the soil samples. VOCs detected in three of the soil samples included: PCE at a concentration of 2.1 µg/kg in two samples; toluene at a concentration of 2.4 µg/kg; and, 1,1,1-trichloroethane (1,1,1-TCA) at concentrations of 2.7 µg/kg and 3.9 µg/kg. PCE at 2.1 µg/kg was the only VOC exceeding a potentially applicable criteria value (USEPA risk-based SSL of 0.049 µg/kg).

Two soil samples were analyzed for total mercury for screening purposes only to assist with evaluating area-wide concentrations. Mercury is not a site-related constituent; however, it was added to the analytical suite at the request of the site owner. Concentrations of 40 µg/kg and 36 µg/kg were detected, below EPA residential and industrial soil RSLs, and marginally exceeding the risk-based SSL of 30 µg/kg (for the protection of groundwater). These concentrations are consistent with background soil concentrations in California.

Decommissioning Activities. After the above-described sampling and analysis activities, the clarifier was closed in place in August 2008. Closure activities included: Removal of residual liquids and solids; triple-rinsing clarifier; disconnecting plumbing; slurry-filling the clarifier; and, refinishing the floor with rebar-reinforced concrete.

4.0 REGIONAL GEOLOGY AND HYDROGEOLOGY

This section provides information related to regional geology and hydrogeology.

4.1 Regional Geology

The site is located in Whittier, California, along the base of the La Habra piedmont slope descending from the southwestern flank of the Puente Hills at an elevation of approximately 150 feet above mean sea level. Surficial sediments have been mapped as Holocene-aged alluvial gravel, sand and silt.

4.2 Regional Hydrogeology

The Site is located in the Montebello Forebay and the Whittier area of the *Central Basin*, a subbasin of the Coastal Plain of Los Angeles County, California, and is bounded on the north by a surface divide called the La Brea high, and on the northeast and east by emergent less permeable Tertiary rocks of the Elysian, Repetto, Merced and Puente Hills. The southeast boundary between Central Basin and Orange County Groundwater Basin roughly follows Coyote Creek, which is a regional drainage province boundary. The southwest boundary is formed by the Newport Inglewood fault system and the associated folded rocks of the Newport Inglewood uplift.

The Coastal Plain is underlain by an extensive groundwater basin in Los Angeles and Orange Counties. Water-bearing sediments identified in the Whittier area extend to an approximate depth of at least 1,000 feet below ground surface. The main geologic units consist of recent alluvium, the upper Pleistocene Lakewood Formation, and the lower Pleistocene San Pedro Formation. The San Gabriel River and the Rio Hondo are two important surface streams entering the Central Basin through the Whittier Narrows. The area downstream of the Whittier Narrows is known as the Montebello Forebay, where surface water could freely percolate into the groundwater system. The non-forebay part of the Central Basin, where such percolation is restricted by shallow fine-grained sediments, is often referred to as the Pressure Area.

5.0 OMEGA SUPERFUND SITE

This section provides information related to the Omega “Superfund” site groundwater solvent plume, which surrounds the subject property on all sides. The subject property is situated within the plume identified as the Omega Operable Unit 2 (OU2).

5.1 Location

The former Omega facility is located at 12504 and 12512 East Whittier Boulevard, Whittier, California, approximately 100 feet west-southwest of Putnam Street (**Figure 3**). It covers an area of approximately 41,000 square feet (200 feet wide by 205 feet long) and contains two structures: a 140- by 50-foot warehouse and an 80- by 30-foot administrative building. A loading dock is attached to the rear of the warehouse. The Omega property is paved with concrete and secured with a 7-foot-high perimeter fence and locking gate. The Omega Site and surrounding areas are nearly completely developed with residential, industrial, or commercial facilities.

5.2 Current Ownership

Van Owen Holdings LLC of Los Angeles, California, purchased the Omega property in 2003 and owns the property to the present day. The former Omega facility was located on the following two parcels:

- **Northern parcel** – 12504 Whittier Boulevard. Currently being leased by Star City Auto Body to conduct automotive body repair and painting. The auto body shop also leases the small paved parking lot north of the warehouse building for automobile parking.
- **Southern parcel** – 12512 Whittier Boulevard. The former administrative building and the paved parking area south of the warehouse have had a variety of tenants since the 2003 purchase of the property. The former administrative building is currently vacant. The building was previously used for administration and equipment storage, while the concrete-paved exterior yard was used for parking and temporary storage of heavy construction equipment.

5.3 History

The Omega Chemical Corporation was a solvent and refrigerant recycler that operated from approximately 1976 to 1991, in Whittier, California. Drums and bulk loads of waste solvents and other chemicals from various industrial activities were processed at the Omega property to form commercial products. Wastes generated from treatment and recycling activities included still bottoms resulting from distillation of spent solvents, aqueous fractions, and nonrecoverable solvents. As a result of spills and leaks, the soil and groundwater beneath the Omega property became contaminated. In 1995, a group of PRPs, later known as the Omega Chemical Site PRP Organized Group (OPOG), performed the removal of approximately 2,700 drums under EPA oversight. EPA subsequently separated site investigation and cleanup actions into parts called Operable Units. At the Omega Chemical Superfund site, Operable Unit One (OU1) includes soil and groundwater contamination on and near the former Omega property.

Omega OU2 generally includes the groundwater-contaminated area that extends from the former Omega facility for approximately 4.5 miles in a south-southwesterly direction, and includes the subject property. A map showing the approximate OU2 boundary is presented in **Figure 3**.

5.4 Contaminants of Concern

The primary contaminants of concern (COCs) at the Omega Site are VOCs, principally PCE, TCE, and 1,1-DCE. Another group of VOCs, Freons, are also contaminants of interest at the Omega Site. Chromium, 1,4-dioxane, and 1,1,1-TCA have also been identified in the OU-2 plume.

5.5 Historical and Current OU2 Site Investigation

Site investigation activities at Omega OU2 were started in 2001 by Weston Solutions, Inc. (Weston) on behalf of EPA. Weston performed OU2 investigations in 2001 to 2002 and prepared two groundwater characterization reports. The Omega Small Volume Organized Group

(OSVOG) installed groundwater monitoring wells at OU2 in 2005 and 2006. CH2M HILL continued the OU2 site investigation on behalf of EPA and completed the Remedial Investigation (RI) for OU2 in 2010.

The RI report describes in detail the investigation activities and major findings from these activities. A brief summary of the OU2 site investigation activities is provided in the following subsections.

5.5.1 Site Investigation Performed by Weston

Weston, on behalf of EPA, started the initial phase site investigation in 2001 by installing 30 cone penetrometer test (CPT) probes. Results of the initial phase are included in the Phase 1 Groundwater Characterization Study. Weston performed the second phase site investigation by installing six CPT probes and 19 hollow-stem auger (HSA) borings and 18 monitoring wells. Lithologic logging was conducted and groundwater samples were collected from CPT and monitoring wells during the two phases of field investigations. Results of these field investigations are documented in the Phase 1 and Phase 2 Groundwater Characterization Study, respectively. The 18 monitoring wells have been sampled quarterly since February 2002. CH2M HILL began routine sampling of these wells in March 2004. Results of the groundwater sampling are presented in quarterly groundwater monitoring reports submitted to EPA.

5.5.2 Site Investigation Performed by OSVOG

ARCADIS, on behalf of OSVOG, installed 23 monitoring wells (at 12 locations) and one extraction well between May 2005 and April 2006, and sampled the new wells in June 2006. CH2M HILL performed oversight of the ARCADIS construction activities. Following the completion of the OSVOG site investigation work, EPA evaluated the information gathered to date and concluded that additional investigation was needed to further characterize the hydrogeological conditions as well as the nature and extent of groundwater contamination at OU2. EPA retained CH2M HILL to complete these additional investigations as summarized in this section.

5.5.3 File Review Conducted by CH2M HILL in 2005

CH2M HILL, on behalf of EPA, conducted a file review in 2005 to identify facilities that are potential sources of groundwater contamination in OU2 (other than the former Omega facility). CH2M HILL reviewed state and local agency files for facilities within the OU2 area and developed a list of known or potential sources of VOC contamination in groundwater in the area. EPA continues further records searches at the present time.

5.5.4 Field Investigation Conducted by CH2M HILL

CH2M HILL conducted further field investigations at Omega OU2 between March 2004 and July 2007. Field activities conducted included the following:

- Installation of four single-screen and four quadruple-nested monitoring wells to characterize the vertical and lateral extent of the contaminant plume in 2007;

- HydroPunch® groundwater sampling conducted in 2007 to identify sources of VOC contamination (other than the former Omega facility);
- Groundwater sampling at all OU2 wells and acquisition of groundwater monitoring data for OU1 and other sites at and near OU2;
- Soil gas investigation conducted in 2007 to characterize the risk of soil gas vapor intrusion into residential buildings; and,
- Pumping tests and slug tests conducted in 2008 to characterize the aquifer properties at OU2.

EPA completed the RI at Omega OU2 by publishing an RI report. The RI report includes all the data and information related to Omega OU2 gathered by different parties, and it documents the development of a hydrogeologic conceptual model of the Omega Site.

5.6 2010 Omega Site Groundwater Flow and Quality Data

This section presents Omega Site monitoring well, flow direction, and analytical testing data for Omega Site monitoring wells MW2, MW5, and MW15. These are the three closest monitoring wells to the subject property. The locations of these wells are illustrated in **Figure 2**. Groundwater flow data is evaluated in **Section 7.1**. In general, regional groundwater flow is to the southwest in the area of the subject site, and transitions to a more western flow proceeding to the southern end of the Omega Site groundwater plume. Therefore, MW2 is appears as an upgradient monitoring well, MW15 a side-gradient well, and MW5 a side/downgradient monitoring well.

As part of the Work Plan, Kodak requested that the USEPA collect and analyze samples from three existing adjacent off-site wells (MW2, MW5, and MW15) contemporaneously with groundwater sample collection from the six newly-installed and one existing subject property monitoring wells, and provide the resulting data. The USEPA was unable to conduct cotemporaneous groundwater sampling, but did collect cotemporaneous water level data from the three Omega Site monitoring wells on the same day when groundwater level measurements were collected from the subject property.

5.6.1 Omega Site Monitoring Well Construction Data

Omega Site monitoring well construction data is provided in **Table 1**. In general, subject property monitoring wells were constructed similarly to the Omega site wells, and were installed at approximately the same elevations and in the same water-bearing unit.

5.6.2 Omega Site Groundwater Elevation Data

Groundwater elevation data were collected from the subject site's six monitoring wells, MW2, MW5, and MW15 on February 25, 2011 and are presented in **Table 2**. Using groundwater elevation data from these three USEPA wells alone, groundwater flow direction was determined to be approximately to the west-northwest.

5.6.3 Omega Groundwater Sampling Event Data

Groundwater samples collected from MW2, MW5, MW15 in March 2010 and in August-September 2010 and were analyzed for the Omega Site target analyte list. A summary of the analytical data for these wells is presented in **Table 3**, along with the analytical data for the six new monitoring wells installed on the subject property in September-October 2010. A summary of analytical data provided by the EPA is presented in **Appendix A**. The following compounds were detected in US EPA monitoring wells MW2, MW5, and MW15:

- Bromoform
- Chloroform
- 1,1-Dichloroethane (DCA)
- 1,2-DCA
- 1,1-DCE
- cis-1,2-DCE
- Methylene Chloride
- PCE
- TCE
- Trichlorofluoromethane (Freon 11)
- Trichlorotrifluoroethane (Freon 113)
- Methyl-tert-butyl Ether (MBTE)
- 1,4-Dioxane

Three compounds were detected at concentrations equal to or above USEPA and/or CA Maximum Contaminant Levels: 1,1-DCE, PCE, and TCE. These compounds are not known to have been used or stored in bulk quantities at the subject site.

6.0 SCOPE OF WORK

The Investigation Scope of Work was conducted in general accordance with GEOLOGICA's Work Plan dated May 3, 2010 submitted to, and approved by, the Department of Toxic Substances Control (DTSC) on May 18, 2010. The Work Plan primarily consisted of constructing six on-site groundwater monitoring wells, plus collecting and analyzing samples from the six new wells, and one existing on-site well. The Scope of Work was divided into three tasks, described below. Monitoring well construction and related soil / groundwater investigation activities were performed in general accordance with the California Environmental Protection Agency, DTSC Guidance Manuals for Ground Water Investigations (DTSC Guidance Manuals).

6.1 Preliminary Field Activities

Prior to the initiation of field activities, GEOLOGICA marked the monitoring well installation locations prior to drilling and contacted Underground Services Alert of California to help establish the approximate location of subsurface utilities in the monitoring well locations (**Figure 2**). A private utility locator was engaged to additionally help establish the approximate location of subsurface utilities. Monitoring well installation permits were obtained from the Los Angeles County Department of Public Health (**Appendix B**).

6.2 Monitoring Wells Installation, Development, Sampling, and Surveying

This section describes monitoring wells installations, development, sampling and surveying.

6.2.1 Monitoring Well Installation

The six new monitoring wells were installed at the locations shown on **Figure 2**. Wells were constructed with two-inch diameter, Schedule 40, PVC screen (0.020-inch slot-size) and riser and completed with flush-mount well boxes. Monitoring Well NW-1 was constructed with a 10-foot screen length. The remaining monitoring wells were constructed with 15-foot screen lengths, with the concurrence of the DTSC. **Table 1** contains a summary of monitoring well construction data. Soil boring and monitoring well logs are presented in **Appendix B**.

During well construction, soil samples were collected at five-foot intervals using a standard split spoon for lithologic description purposes only, and were screened using a field Organic Vapor Analyzer (OVA). No elevated OVA readings were encountered.

6.2.2 Monitoring Well Development

The six proposed monitoring wells were developed by purging according to DTSC Guidance Manuals protocol. Well development records are reproduced in **Appendix B**.

6.2.3 Groundwater Sampling

Groundwater samples were collected in general agreement with applicable DTSC procedures from each of the six new monitoring wells after a minimum of 24 hours after well development and analyzed for the following constituents: TPH-VFH, TPH-EFH, VOCs, 1,4-dioxane, total cyanide, cadmium, chromium, mercury, and silver, ammonia, nitrate, nitrite, sulfate, and pH. The specific suite of VOCs is presented in the Work Plan. These constituents, plus 1, 4-dioxane were added to the work plan at the request of the USEPA, and are consistent with the USEPA investigation of the Omega Site OU2. Existing monitoring well MW1 was “dry” and could not be sampled.

Groundwater samples were submitted under applicable chain-of-custody protocols to TestAmerica, Inc.’s Irvine, California Laboratory, a California Department of Health Services-certified analytical testing laboratory.

6.2.4 Monitoring Well Surveying

Monitoring well elevations and locations were surveyed to within 0.01-foot vertically and 0.1-foot horizontally by a California-licensed surveyor. Surveyor data are summarized in **Table 2**.

6.3 Investigation-Derived Waste Management

Residual soil cuttings, sampling equipment cleaning water, development and purge water, and sampling expendables were containerized in 55-gallon drums and held on-site pending

receipt of laboratory analytical testing results. These materials were subsequently transported off-site for appropriate disposal.

7.0 FINDINGS

The following findings were identified as part of this Groundwater Investigation Report.

7.1 Soil and Groundwater Flow Conditions

Site soils consist of approximately five feet of gravelly sand underlain by sandy and silty clays interlayered with silty-sands and sands. Groundwater was first encountered at approximately 40-45 feet bgs.

Groundwater elevation data were collected on November 15, 2010 and February 25, 2011, and are summarized in **Table 2**. Data from the November 15, 2010 measurements indicate a flow direction to the southwest (**Figure 4**). Data from the February 25, 2011 measurements indicate a flow direction to the west-northwest (**Figure 5**). The February 25, 2011 data are consistent with the USEPA monitoring well data collected the same day. A groundwater elevation map using the February 25, 2011 data from the six new monitoring wells and the three USEPA wells indicates a groundwater flow direction to the west-northwest (**Figure 6**). Based on two groundwater level measuring events, groundwater flow direction at the site appears to vary from southwest to west-northwest.

7.2 Summary of Analytical Testing Results

This section describes the analytical testing results for the six new monitoring wells installed at the subject property. Subsequent sub-sections discuss specific analyte groups. Reporting limits were achieved in general accordance with Omega Site requirements. No material data quality issues were identified. The analytical laboratory's data report is presented in **Appendix C**.

7.2.1 Volatile Organic Compounds (VOCs)

In general, the same 13 VOCs were detected in the October 2011 subject site groundwater sampling event as in the three nearby USEPA monitoring wells (MW-2, MW-5, MW-15) sampled during the Omega Site 2010 groundwater sampling events. The following VOCs were detected in the six new monitoring wells installed at the subject property:

- Bromoform
- Chloroform
- 1,1-DCA
- 1,2-DCA
- 1,1-DCE
- cis-1,2-DCE
- PCE
- TCE
- Trichlorofluoromethane
- Freon 113
- MBTE
- 1,4-Dioxane

- Methylene Chloride

The following four VOCs were detected in the six new monitoring wells at concentrations equal to or above USEPA and/or CA MCLs: 1,1-DCE, cis-1,2-DCE, PCE, and TCE. None of these VOCs were used or stored at the subject site in bulk quantities, as described in **Section 3.1**.

TCE, PCE, and 1,1-DCE were identified in concentrations above USEPA and/or CA MCLs on the subject property and three nearby USEPA monitoring wells. Other key findings include:

- TCE and PCE concentrations exceeded USEPA and CA MCLS in each of the six site monitoring wells.
- 1,1-DCE concentrations exceeded USEPA and CA MCLS in four of the six site monitoring wells .
- Cis-1,2-DCE identified in concentrations above the CA MCL in two of the six new monitoring wells.
- No other VOCs were detected above USEPA or CA MCLs in the six subject property new monitoring wells or the three nearby USEPA monitoring wells.

7.2.2 Total and Dissolved Metals

Groundwater samples from the six new monitoring wells were tested for the following total and dissolved metals: mercury, cadmium, chromium, and silver. Chromium was the only metal detected in the total and dissolved metals' analyses. Chromium was detected at concentrations below USEPA and CA MCLs. Chromium concentrations were relatively consistent across the six site monitoring wells. Chromium detections in groundwater have been associated with the Omega Superfund Site plume.

7.2.3 Inorganic Compounds and Other Analyses

Groundwater samples from the six new monitoring wells were tested for the following analytes: ammonia, total cyanide, nitrate, nitrite, sulfate, and pH. Key findings include:

- Nitrate was detected above the USEPA MCL of 10 mg/L in the six new monitoring wells at concentrations ranging from 14 to 32 mg/L.
- Sulfate was detected in the six new monitoring wells at concentrations at concentrations ranging from 100 mg/L to 600 mg/L. Sulfate was detected above the USEPA MCL and the California MCL of 250 mg/L (secondary drinking water standard) in four of the six monitoring wells: NE-1, SW-1, W-1, and NW-1.

- Ammonia, total cyanide, and nitrite were not detected above the method detection limits in the six new monitoring wells.

8.0 SUMMARY OF KEY FINDINGS AND CONCLUSIONS

The site comprises a single-story, approximately 218,000-sq-ft office and warehouse building constructed and used as a regional warehousing and distribution center for Kodak products, including liquid photochemicals, film, photo paper, and other products. No manufacturing, film processing, or photoprocessing were ever performed at the property by Kodak. The primary liquid chemicals stored on site were photochemicals and fuel oil; there is no record of significant use or storage of solvents on site. No evidence of a significant release of solvent, hydrocarbon, or photofinishing constituents has been identified at the site.

Prior to the current investigation, a number of subsurface investigations have been conducted at the subject site in the areas of two former USTs and two former clarifiers. Only de minimis concentrations of VOCs and other constituents have been found in soil.

A number of solvents (PCE, TCE, 1,1-DCE, and cis-1,2-DCE), as well as a number of other VOCs, have been detected at the site in groundwater. These compounds are not known to have been used or stored in bulk quantities at the subject site. In general, the same 13 VOCs were detected in the October 2011 subject site groundwater sampling event as in the three nearby USEPA monitoring wells. Regional groundwater flow appears primarily to the southwest. These data do not exhibit clear trends indicative of an on-site release, i.e., the distribution of VOCs in groundwater is variable, exhibiting elevated concentrations up-gradient and lateral to the site, as well as in down-gradient directions. However, the suite of constituents detected, and their range of concentrations, are identical to those detected in up-gradient well MW-2 and side-gradient well MW-15, for the Omega Superfund Site groundwater investigation. Thus, it appears that the variable VOC concentrations detected in the vicinity of the site reflect the variability in groundwater flow (previously noted, **Section 7.1**), spatial and textural variations within the Omega Superfund site groundwater plume, and as such, the VOCs detected in site groundwater are consistent with the regional groundwater condition and impact from the Omega Superfund Site. There is no evidence that the site is contributing to the VOC plume.

Nitrate concentrations, though in excess of the CA MCL in the six new site monitoring wells, are attributable to elevated regional background levels based on the consistent order-of-magnitude concentrations detected, as are sulfate concentrations.

9.0 RECOMMENDATIONS

No evidence has been found that the site has contributed to the regional VOC plume based on:

- the lack of documented or anecdotal evidence of accidental spills, releases or other inadvertent discharges of VOCs;
- the limited on-site use and storage of Omega-related contaminants;
- significant contaminant overlap with the Omega plume;
- lack of clear trends indicative of an on-site release; and
- consistent concentrations detected in on-site and off-site wells both up-gradient and down-gradient from the site.

Based on the above-described conditions, it is recommended that the site be considered for closure, based on confirmation of the above-described trends.

As such, three (3) additional, quarterly groundwater monitoring events are recommended to further confirm groundwater flow directions and chemical concentrations. Analytical data will be compared to available Omega groundwater data from nearby, off-site monitoring wells. Groundwater flow direction measurements will be evaluated against regional Omega groundwater flow patterns. If current flow direction and concentration distributions are confirmed, then the monitoring wells will be recommended for abandonment in accordance with applicable agency requirements and the site closed under DTSC oversight.

10.0 REFERENCES

- *Phase I Environmental Site Assessment* (GEOLOGICA 2007)
- *Assessment of Tank Leakage, Eastman Kodak Company, Whittier, California, IT Corporation, October 1984.*
- *Guidance Manuals for Ground Water Investigations, California Environmental Protection Agency, Department of Toxic Substances Control, July, 1995.*
- *Background Concentrations of Trace and Major Elements in California Soils, Kearney Foundation Special Report, 1996.*
- *Use of California Human Health Screening Levels (CHHSLs) in Evaluation of Contaminated Properties, California Environmental Protection Agency, January 2005.*
- *Work Plan for Clarifier Closures, Monitoring Well Abandonment, and Limited Subsurface Investigation, Geologica Inc., April 2008A.*
- *Subsurface Investigation – Former Fuel Oil UST and Former Photochemicals UST, Geologica Inc. November 2008B.*
- *Closure Report Maintenance Area Clarifier, Geologica, Inc. November 2008C.*
- *Closure Report Exterior Clarifier and Associated Interior Drain, Geologica Inc. November 2008C.*

Tables

TABLE 1
Monitoring Well Construction Data

**Western Zone Warehouse
Kodak Regional Distribution Center
12100 Rivera Road
Whittier, California 90606**

Monitoring Well	Depth to Screen Top (feet bgs)	Depth to Screen Bottom (feet bgs)	Total Depth (feet bgs)	Total Drilled Depth (feet bgs)	Borehole Diameter (inches)	Casing Diameter (inches)	Screen Material	Screen Slot Size (inches)	Casing Material	Filter Pack Grade	Filter Pack Top (feet bgs)	Filter Pack Bottom (feet bgs)	Drilling Method	Annular Seal Material	Annular Seal Top (feet bgs)	Annular Seal Bottom (feet bgs)
NE-1	40	55	55	57	8	2	SCH40 PVC	0.02	SCH40 PVC	3	38	55	Hollow Stem Auger	Bentonite Pellets	35	38
E-1	40	55	55	56.5	8	2	SCH40 PVC	0.02	SCH40 PVC	3	38	55	Hollow Stem Auger	Bentonite Pellets	35	38
SE-1	40	50	50	51.5	8	2	SCH40 PVC	0.02	SCH40 PVC	3	38	50	Hollow Stem Auger	Bentonite Pellets	35	38
SW-1	40	55	55	56.5	8	2	SCH40 PVC	0.02	SCH40 PVC	3	38	55	Hollow Stem Auger	Bentonite Pellets	35	38
W-1	40	55	55	56.5	8	2	SCH40 PVC	0.02	SCH40 PVC	3	38	55	Hollow Stem Auger	Bentonite Pellets	35	38
NW-1	40	55	55	56.5	8	2	SCH40 PVC	0.02	SCH40 PVC	3	38	55	Hollow Stem Auger	Bentonite Pellets	35	38
MW-2	45	60	60	60	10	4	SCH40 PVC	0.02	SCH40 PVC	3	42.5	60	Hollow Stem Auger	95/5 Slurry Bentonite Pellets	38	42
MW-5	43.3	53.3	53.3	53	10	4	SCH40 PVC	0.02	SCH40 PVC	3	40.5	53.3	Hollow Steam Auger	95/5 Slurry Bentonite Pellets	34	40
MW-15	50	70	74.95	75	6	2	SCH80 PVC	0.01	SCH80 PVC	2/12	48	75	Sonic	95/5 Slurry Medium Chips	46	48

TABLE 2
Summary of Monitoring Well Survey and Depth to Groundwater Data

**Western Zone Warehouse
Kodak Regional Distribution Center
12100 Rivera Road
Whittier, California 90606**

Monitoring Well	Horizontal Coordinates ⁽¹⁾		Horizontal Coordinates ⁽¹⁾		Elevations ⁽²⁾		Groundwater Elevations (10/5/10)		Groundwater Elevations (11/15/10)		Groundwater Elevations (2/25/11)	
	Northing (meters)	Eastings (meters)	Northings (feet)	Eastings (feet)	Surface (feet)	Top Of Casing (feet)	Depth to Water (feet)	Groundwater Elevation (feet)	Depth to Water (feet)	Groundwater Elevation (feet)	Depth to Water (feet)	Groundwater Elevation (feet)
Eastman Kodak Monitoring Wells												
NE-1	3758802.9067	402703.4978	12332028.11	1321205.44	154.48	153.97	- ⁽³⁾	-	45.50	108.47	44.89	109.08
E-1	3758709.9581	402723.0287	12331723.16	1321269.52	153.63	153.18	-	-	45.10	108.08	43.79	109.39
SE-1	3758626.3510	402741.8520	12331448.86	1321331.28	153.34	152.88	-	-	44.50	108.38	43.31	109.57
NW-1	3758765.8939	402531.2139	12331906.67	1320640.21	152.13	151.60	-	-	44.50	107.10	43.09	108.51
W-1	3758720.7127	402533.3548	12331758.44	1320647.23	151.06	150.49	-	-	43.30	107.19	42.10	108.39
SW-1	3758640.9220	402573.6624	12331496.66	1320779.47	152.09	151.58	-	-	45.10	106.48	42.86	108.72
MW-1	3758638.8567	402694.0142	12331489.88	1321174.33	157.13	156.94	-	-	Dry	-	-	-
USEPA Wells												
MW-2	3758870.1561	402799.4810	12332248.74	1321520.35	154.24	154.21	45.05	109.16	-	-	44.64	109.57
MW-5	3758707.9616	402519.7145	12331716.61	1320602.48	150.84	150.60	43.95	106.65	-	-	42.24	108.36
MW-15	3758539.7300	402532.6800	12331164.67	1320645.02	148.65	148.28	39.8	108.48	-	-	39.22	109.06

Notes: Survey Date 11/11/2010

(1) UTM Zone 11

(2) NGVD 88

(3) Data Not Collected

TABLE 3
Summary of Groundwater Sampling Data
Volatile and Semi-Volatile Organic Compounds

Western Zone Warehouse
Kodak Regional Distribution Center
12100 Rivera Road
Whittier, California 90606

Method	Anaylyte	Units	Eastman Kodak Company Monitoring Wells						USEPA Monitoring Wells						Comparison Criteria	
			NE-1	E-1	SE-1	SW-1	W-1	NW-1	MW-2	MW-2	MW-5	MW-5	MW-15	MW-15	USEPA MCL ⁽¹⁾	California MCL ⁽²⁾
Date Sampled			10/11/10	10/11/10	10/11/10	10/11/10	10/11/10	10/11/10	3/12/10	9/2/10	3/11/10	8/31/10	3/5/10	8/31/10	USEPA MCL ⁽¹⁾	California MCL ⁽²⁾

Total Petroleum Hydrocarbons

VFH by GC/MS	VFH ⁽³⁾ (C4-C12)	µg/L ⁽⁴⁾	440	<30	50 (J)	430	150	410	-	-	-	-	-	-	Not Listed	Not Listed
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Volatile Organic Compounds⁽⁵⁾

EPA 8260B	Bromoform	µg/L	<0.40	0.61	<0.40	<0.40	<0.40	<0.40	0.5 (U)	4.2 (U)	2.5 (U)	0.5 (U)	1 (U)	0.5 (U)	Not Listed	Not Listed
EPA 8260B	Chloroform	µg/L	5.2	0.34 (J)	<0.33	17	9.2	9.5	4.9 (U)	7.4	61	24 (J)	28	26	Not Listed	Not Listed
EPA 8260B	1,1-Dichloroethane (1,1-DCA)	µg/L	<0.40	<0.40	<0.40	0.52	<0.40	<0.40	0.12 (J)	4.2 (U)	1.3 (J)	0.73 (J)	0.72 (J)	0.63	Not Listed	5
EPA 8260B	1,2-Dichloroethane (1,2-DCA)	µg/L	0.69	<0.28	<0.28	1.6	2.1	1.2	0.73 (J)	4.2 (U)	2.5 (U)	2.9	1 (U)	2.3	5	5
EPA 8260B	1,1-Dichloroethene (1,1-DCE)	µg/L	66	5.1	4.1	140	50	72	-	38	310	150 (J)	190	140 (J)	7	6
EPA 8260B	cis-1,2-Dichloroethene (cis, 1,2-DCE)	µg/L	9.6	<0.32	<0.32	2.4	0.66	9.9	0.21 (J)	4.2 (U)	4	2 (J)	0.61 (J)	0.45 (J)	70	6
EPA 8260B	Methylene Chloride	µg/L	<0.95	1.6	<0.95	<0.95	<0.95	<0.95	0.5 (U)	4.2 (U)	2.5 (U)	0.5 (U)	1 (U)	0.5 (U)	5	5
EPA 8260B	Tetrachloroethene (PCE)	µg/L	74	9.9	22	130	61	89	63	92	380	210	210	190	5	5
EPA 8260B	Trichloroethene (TCE)	µg/L	370	8.5	12	120	30	290	8.6	19	180	90	44	40	5	5
EPA 8260B	Trichlorofluoromethane (Freon 11)	µg/L	55	3.1	3.3	86	25	44	17 (J)	19	140	130	89	100	Not Listed	150
EPA 8260B	Trichlorotrifluoroethane (Freon 113)	µg/L	92	7.0	20	190	56	92	-	49	340	170	220	160	Not Listed	1,200
EPA 8260B	Methyl-tert-butyl Ether (MBTE)	µg/L	<0.32	<0.32	<0.32	0.67	0.42 (J)	0.43 (J)	0.39 (J)	0.69 (J)	1.2 (J)	0.46 (J)	0.64 (J)	0.57	Not Listed	13
EPA 8270 MOD	1,4-Dioxane	µg/L	2.7	0.30	<0.29	4.8	2.6	3.3	1.5 (J)	2	15	8.8	8.2	6	Not Listed	Not Listed

(1) <http://water.epa.gov/drink/contaminants/#List>

(2) MAXIMUM CONTAMINANT LEVELS AND REGULATORY DATES FOR DRINKING WATER (November 2008) - Obtained via <http://www.cdpb.ca.gov/certlic/drinkingwater/Pages/Chemicalcontaminants.aspx>

(3) VFH = Volatile Fuel Hydrocarbons

(4) µg/L = micrograms per liter

(5) Only compounds detected are listed

- Not Analyzed

(J) Estimated Value

(U) Not Detected Above Concentration Shown

Shaded Cell = Criteria Exceedence

TABLE 4
Summary of Groundwater Sampling Data
Metals, Inorganic Compounds, and Other Analyses

**Western Zone Warehouse
 Kodak Regional Distribution Center
 12100 Rivera Road
 Whittier, California 90606**

Method	Anaylyte	Units	Eastman Kodak Company Monitoring Wells						Comparison Criteria	
			NE-1	E-1	SE-1	SW-1	W-1	NW-1		
Date Sampled			10/11/10	10/11/10	10/11/10	10/11/10	10/11/10	10/11/10	USEPA MCL ⁽¹⁾	California MCL ⁽²⁾
Metals (Total/Dissolved)										
EPA 7470A	Mercury	mg/L ⁽³⁾	<0.00010/<0.00010	<0.00010/<0.00010	<0.00010/<0.00010	<0.00010/<0.00010	<0.00010/<0.00010	<0.00010/<0.00010	0.002	0.002
EPA 6010B	Cadmium	mg/L	<0.0020/<0.0020	<0.0020/<0.0020	<0.0020/<0.0020	<0.0020/<0.0020	<0.0020/<0.0020	<0.0020/<0.0020	0.005	0
EPA 6010B	Chromium ⁽⁴⁾	mg/L	0.0075/0.0060	0.013/0.0060	0.034/0.0045(J)	0.0098/0.0044(J)	0.012/0.0059	0.010/0.0074	0.1	0.05
EPA 6010B	Silver	mg/L	<0.0060/<0.0060	<0.0060/<0.0060	<0.0060/<0.0060	<0.0060/<0.0060	<0.0060/<0.0060	<0.0060/<0.0060	0.10 ⁽⁵⁾	0.1 ⁽⁵⁾
Inorganic and Other Analyses										
SMH4500-NH3-D	Ammonia	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	Not Listed	Not Listed
SM4500NH3-D	Total Cyanide	mg/L	<0.017	<0.017	<0.017	<0.017	<0.017	<0.017	0.2 ⁽⁶⁾	0
EPA 300.0	Nitrate	mg/L	14	26	22	32	15	16	10	45 ⁽⁷⁾
EPA 300.0	Nitrite	mg/L	<0.090	<0.090	<0.090	<0.090	<0.090	<0.090	1	1
EPA 300.0	Sulfate	mg/L	270	120	100	390	600	380	250 ⁽⁵⁾	250 ⁽⁵⁾
EPA 9040B	pH	S.U. ⁽⁸⁾	7.54	7.82	6.13	7.58	7.63	7.49	6.5 - 8.5 ⁽⁵⁾	Not Listed

(1) <http://water.epa.gov/drink/contaminants/#List>

(2) MAXIMUM CONTAMINANT LEVELS AND REGULATORY DATES FOR DRINKING WATER (November 2008) - Obtained via <http://www.cdph.ca.gov/certlic/drinkingwater/Pages/Chemicalcontaminants.aspx>

(3) mg/L = milligrams per Liter

(4) Value is for Total Chromium

(5) Secondary MCL

(6) Free Cyanide

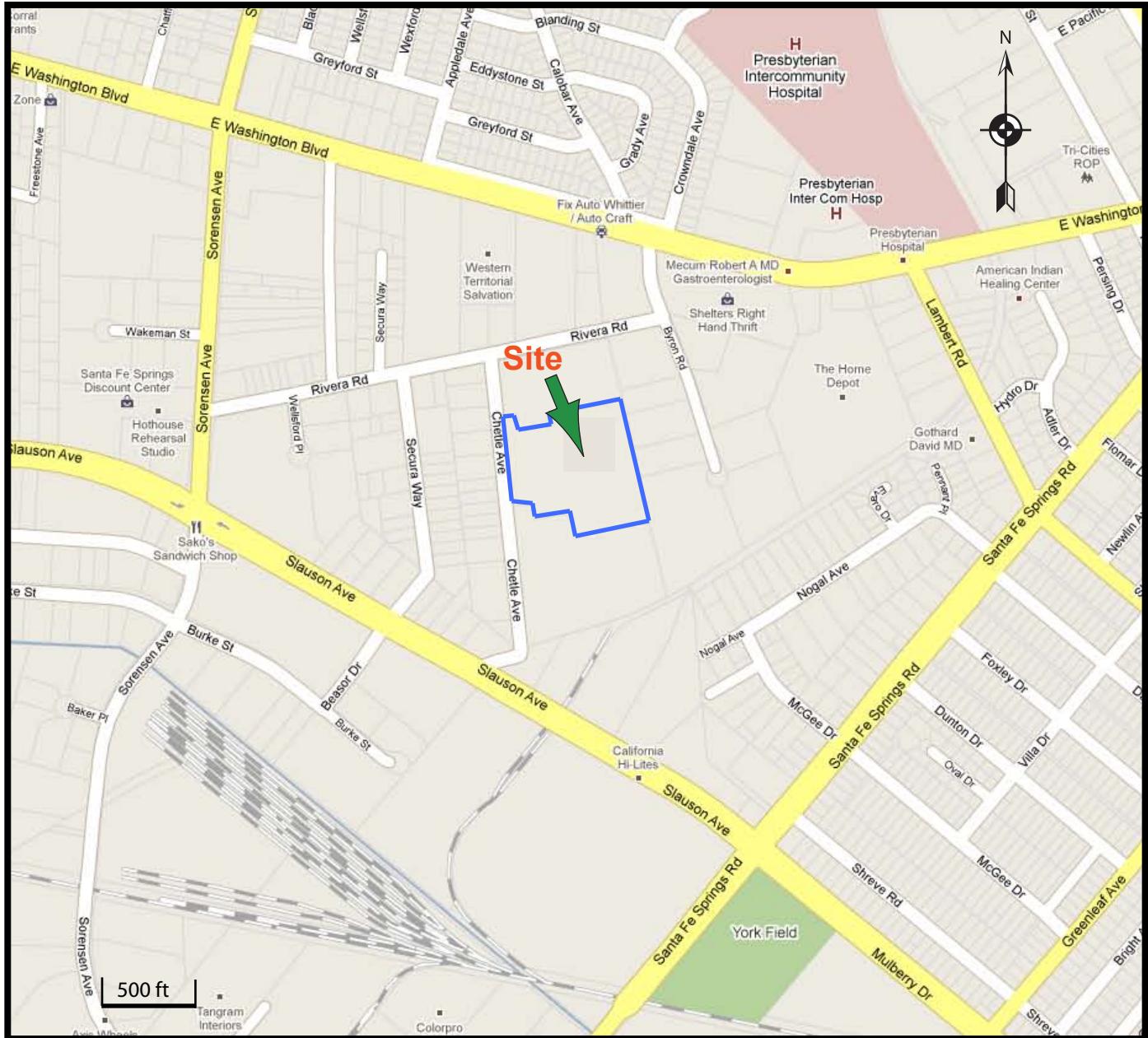
(7) as NO₃

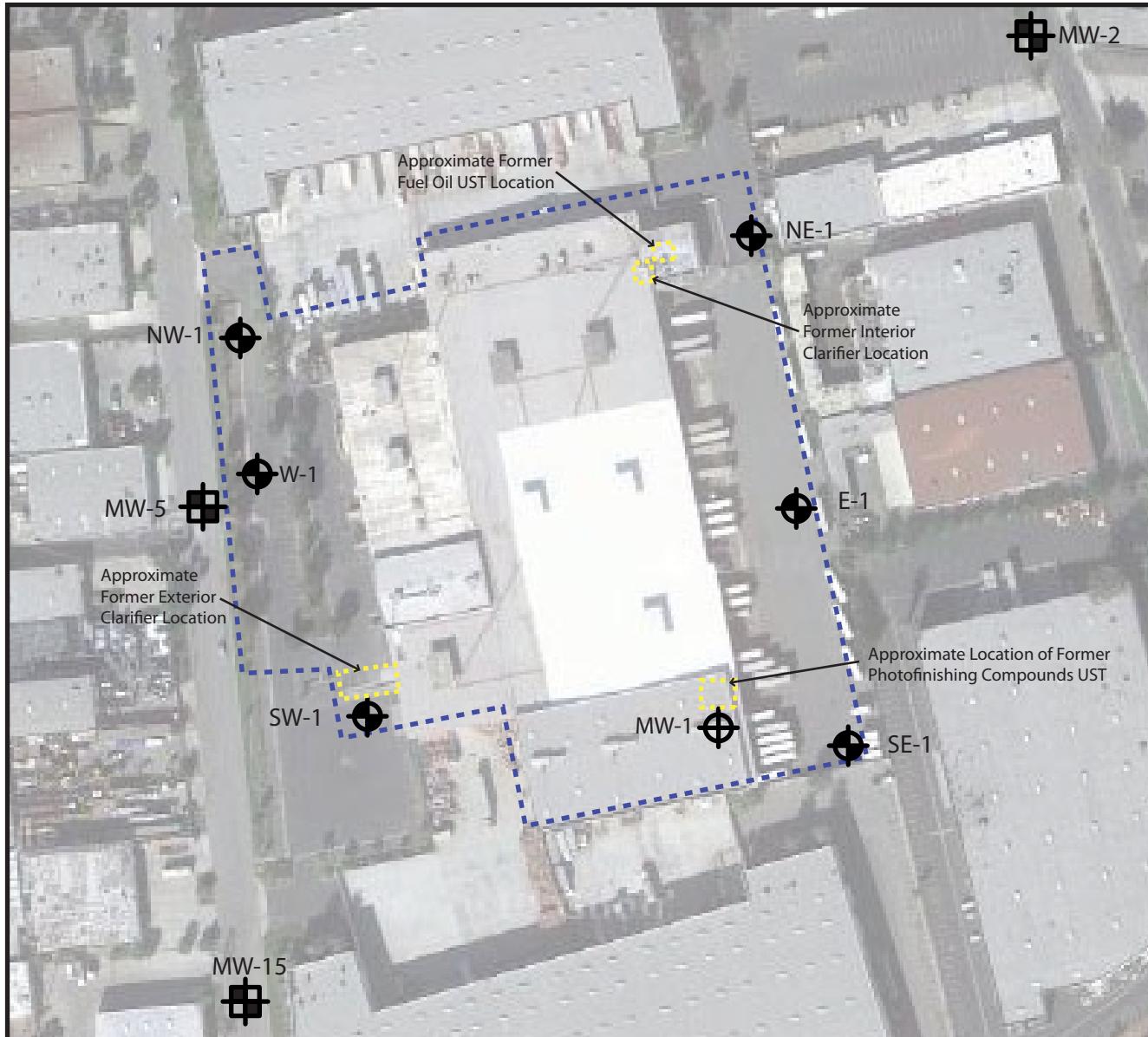
(8) Standard Units

(J) Estimated

Shaded Cell Indicates Criteria Exceedence

Figures

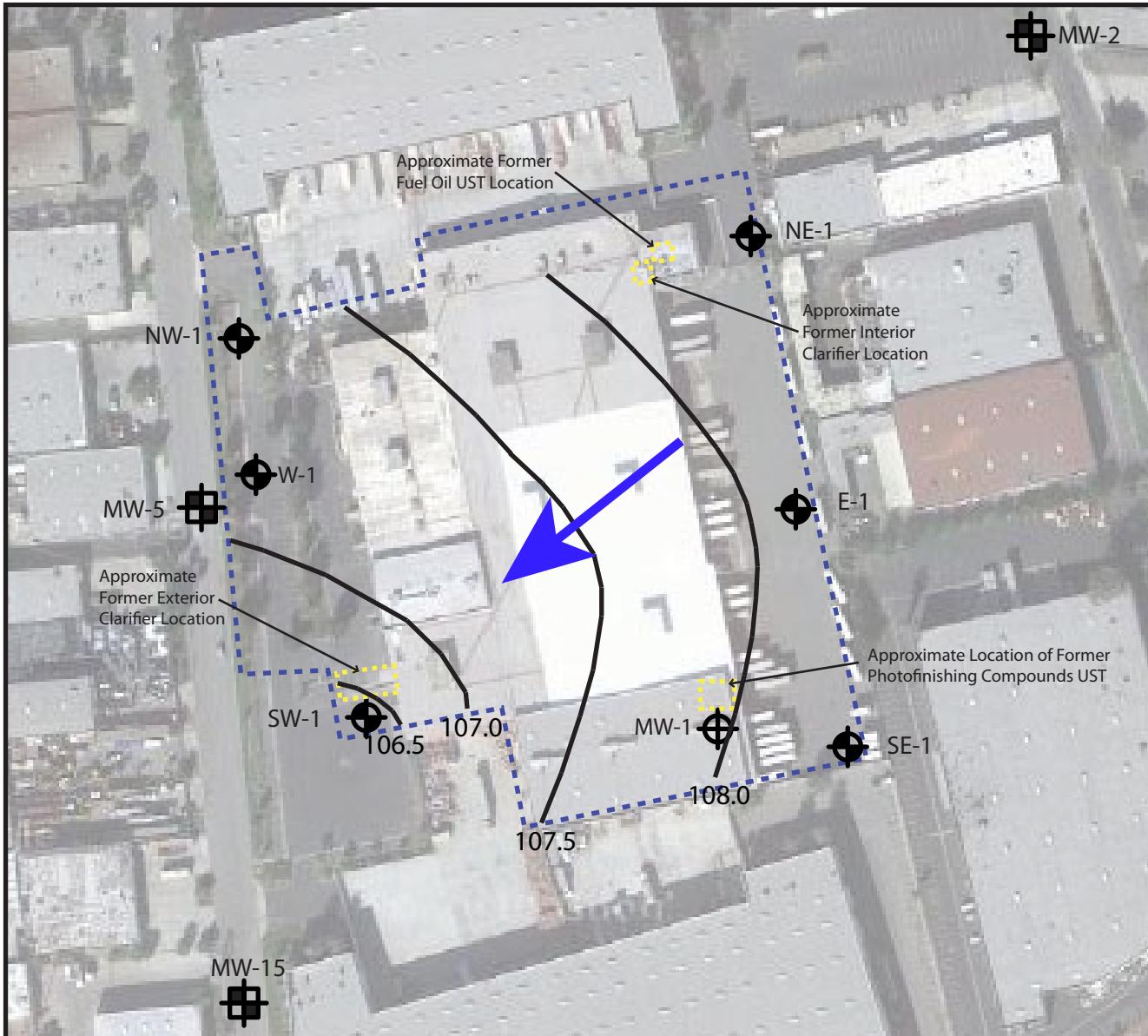




Legend

Approximate Scale in Feet
 0' 120'

- Monitoring Well (GEOLOGICA 2010)
- USEPA Monitoring Well
- Former Monitoring Well (IT Corp 1984)

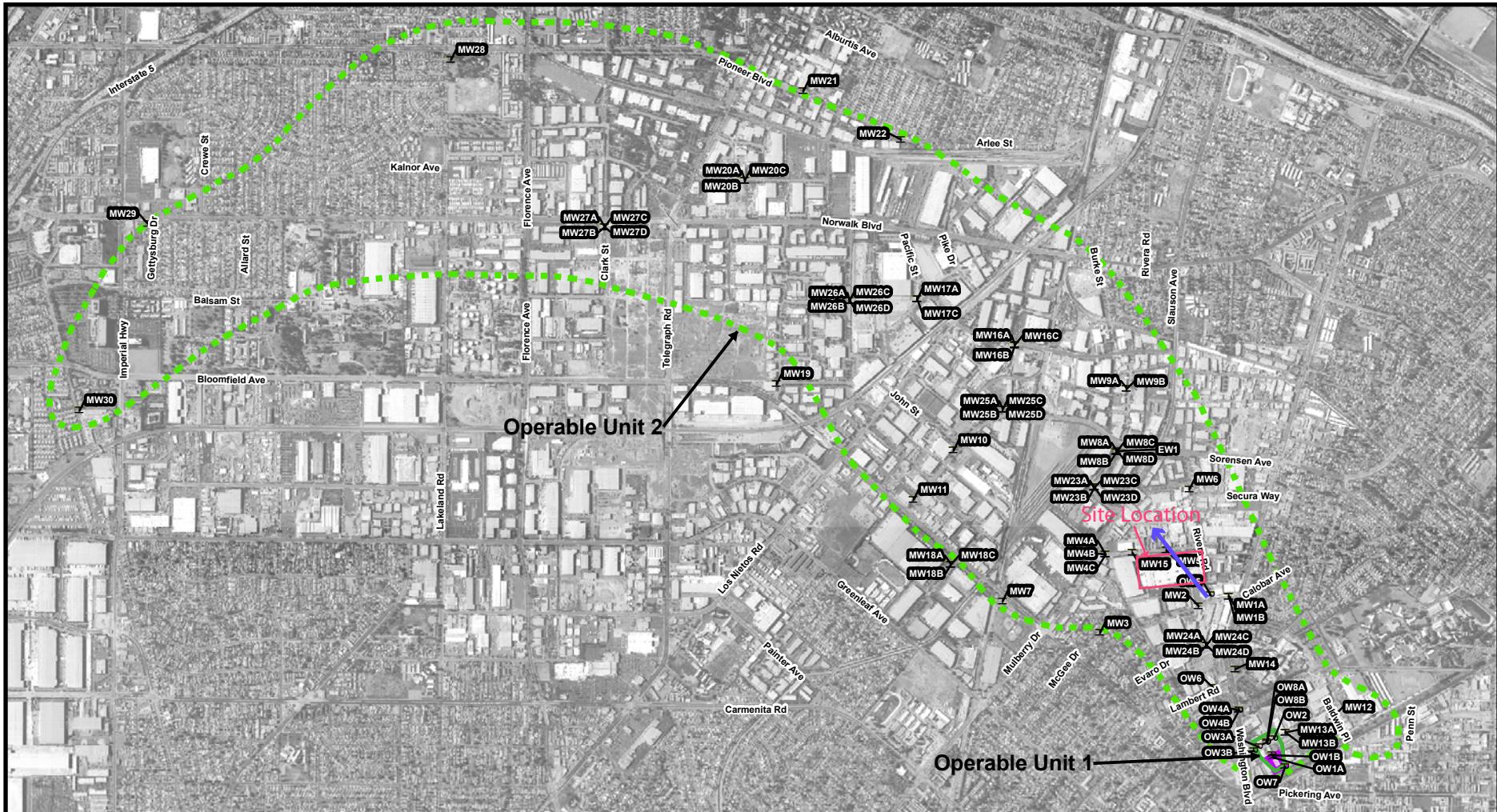


Legend

Approximate Scale in Feet



- Monitoring Well (GEOLOGICA 2010)
 - USEPA Monitoring Well
 - Former Monitoring Well (IT Corp 1984)
- Groundwater Flow Direction



Legend

Operable Unit 1

Operable Unit 2

Regional Groundwater Flow Direction

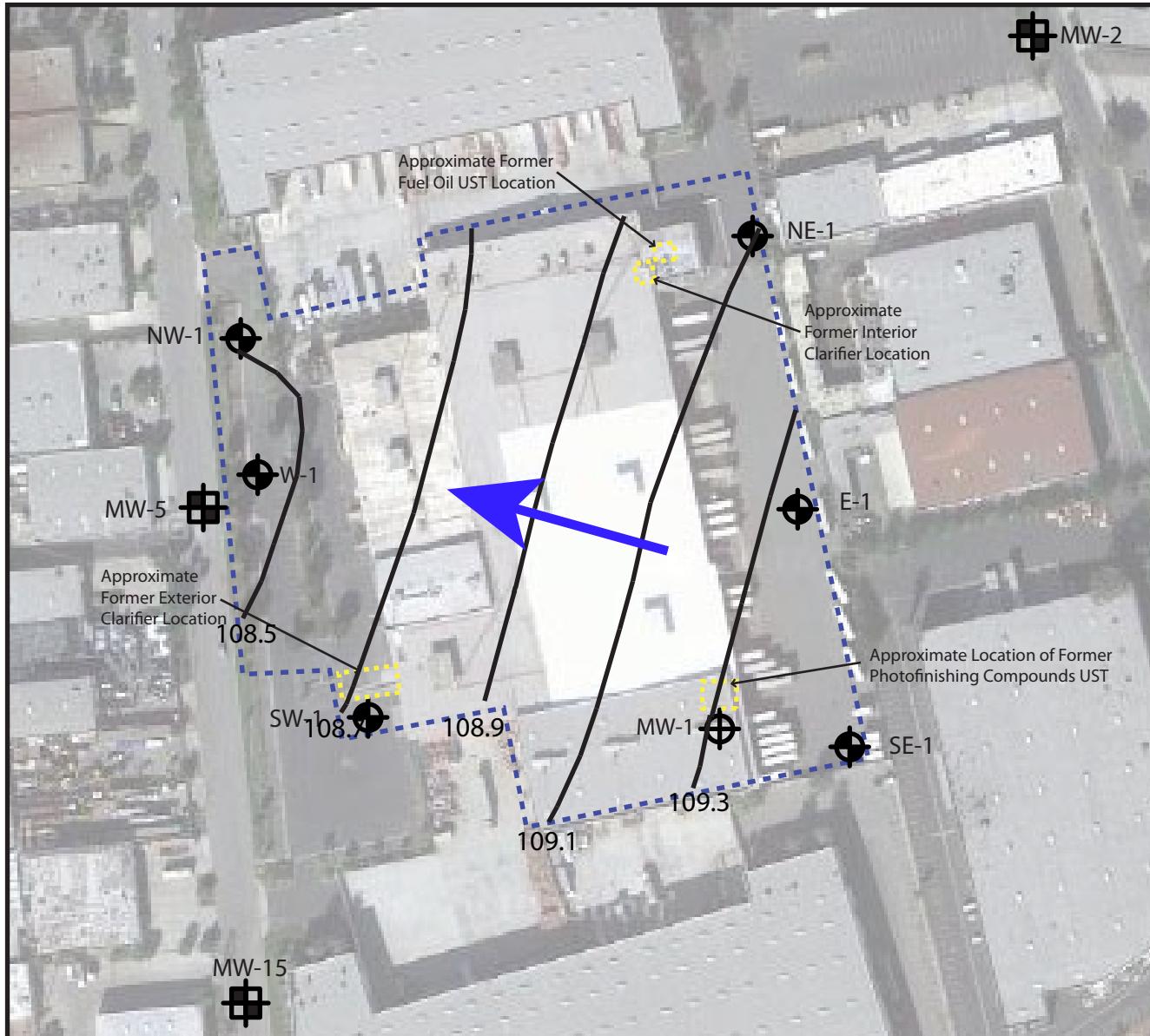
Former Omega Facility

Site Location



0 1,600 3,200 Feet

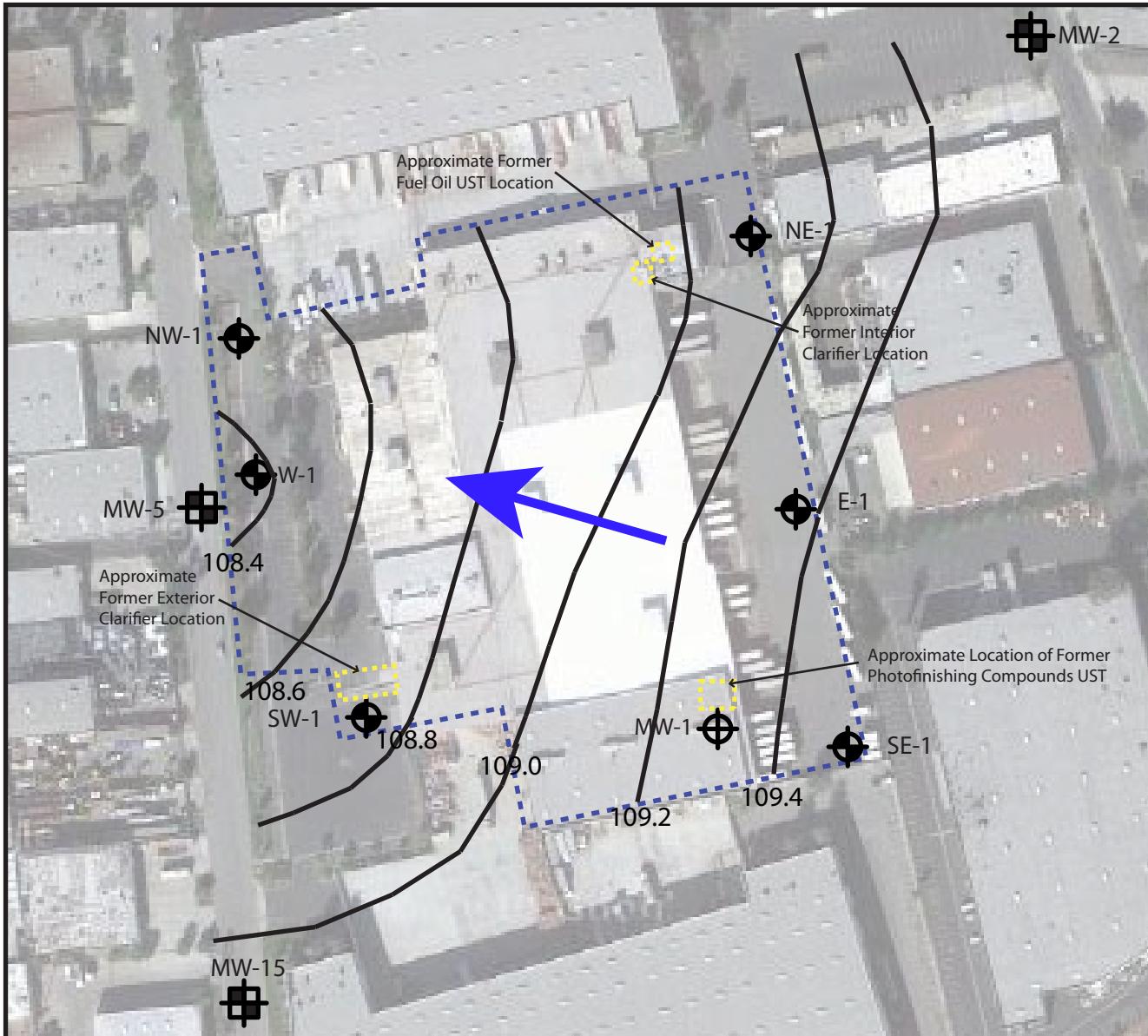
Approximate Scale in Feet



Legend

Approximate Scale in Feet
 0' 120'

- Monitoring Well (GEOLOGICA 2010)
- USEPA Monitoring Well
- Former Monitoring Well (IT Corp 1984)
- Groundwater Flow Direction

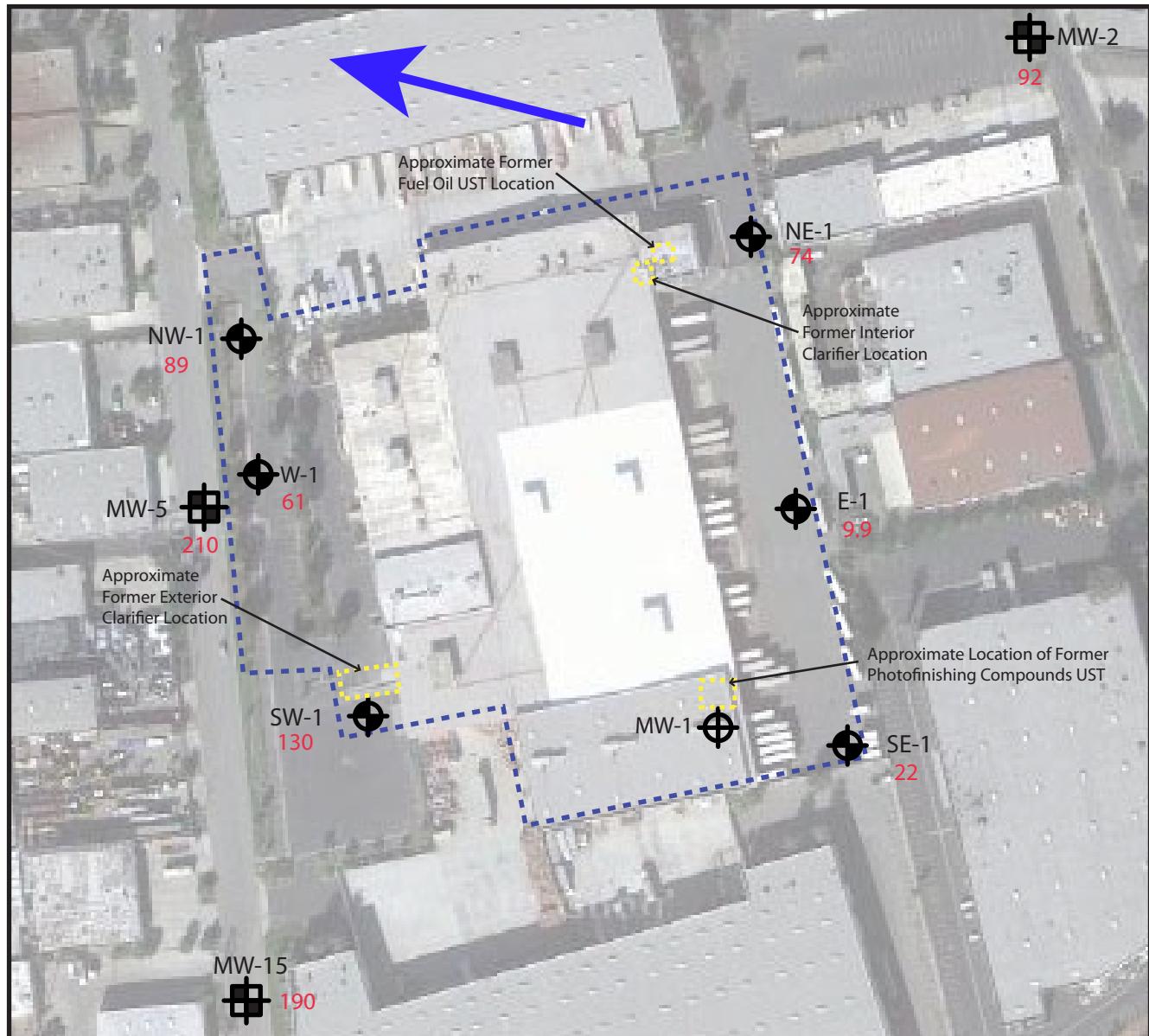


Legend

Approximate Scale in Feet
 0' 120'

- Monitoring Well (GEOLOGICA 2010)
- USEPA Monitoring Well
- Former Monitoring Well (IT Corp 1984)

Groundwater Flow Direction



Legend

Approximate Scale in Feet

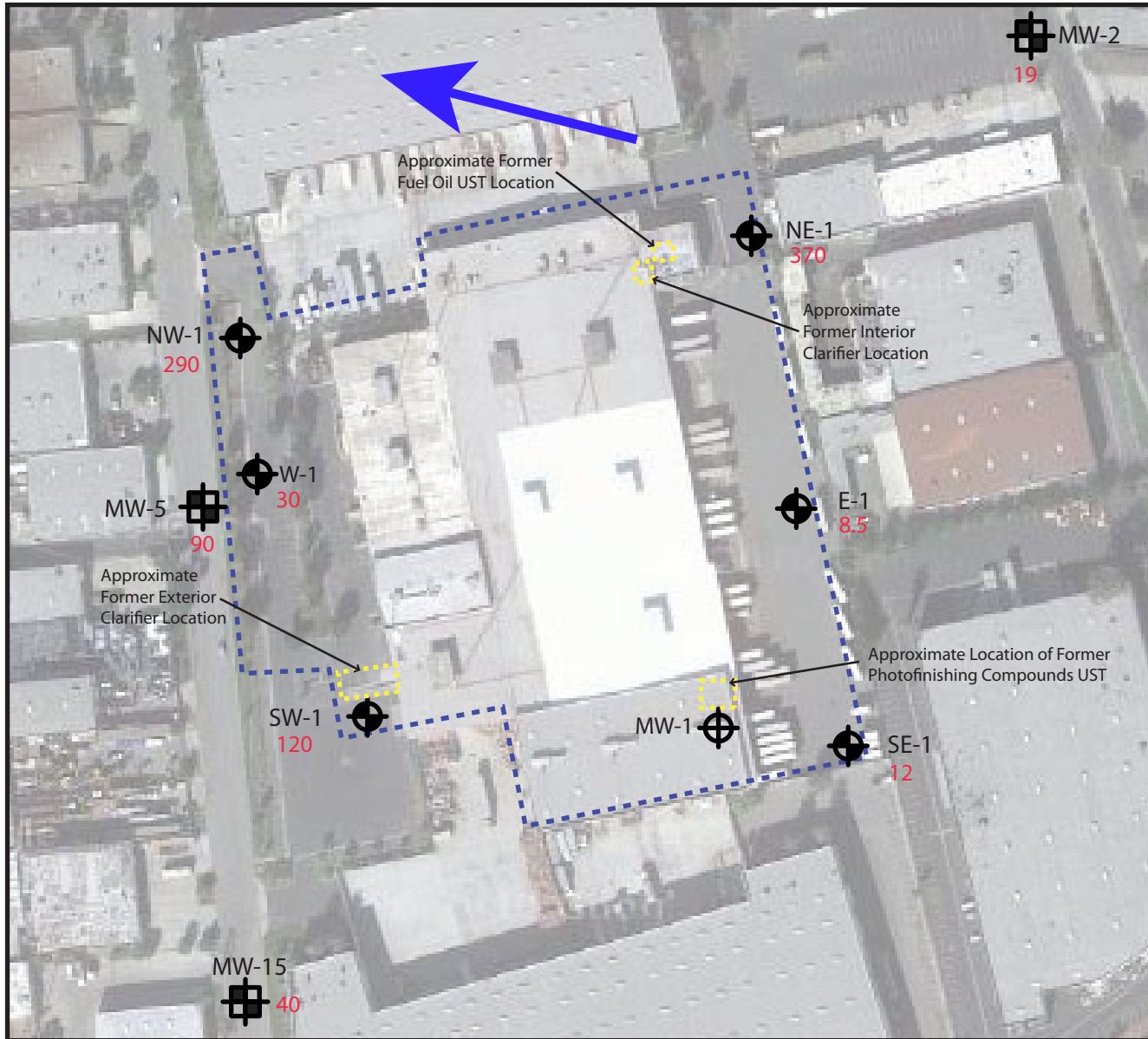


- Monitoring Well (GEOLOGICA 2010)
- USEPA Monitoring Well (Sampling Date August-September 2010)
- Former Monitoring Well (IT Corp 1984)
- 74 Tetrachloroethene (ug/L)



Groundwater Flow Direction

Concentrations in red exceed USEPA (5 ug/L) and/or CA (5 ug/L) MCLs



Legend

Approximate Scale in Feet

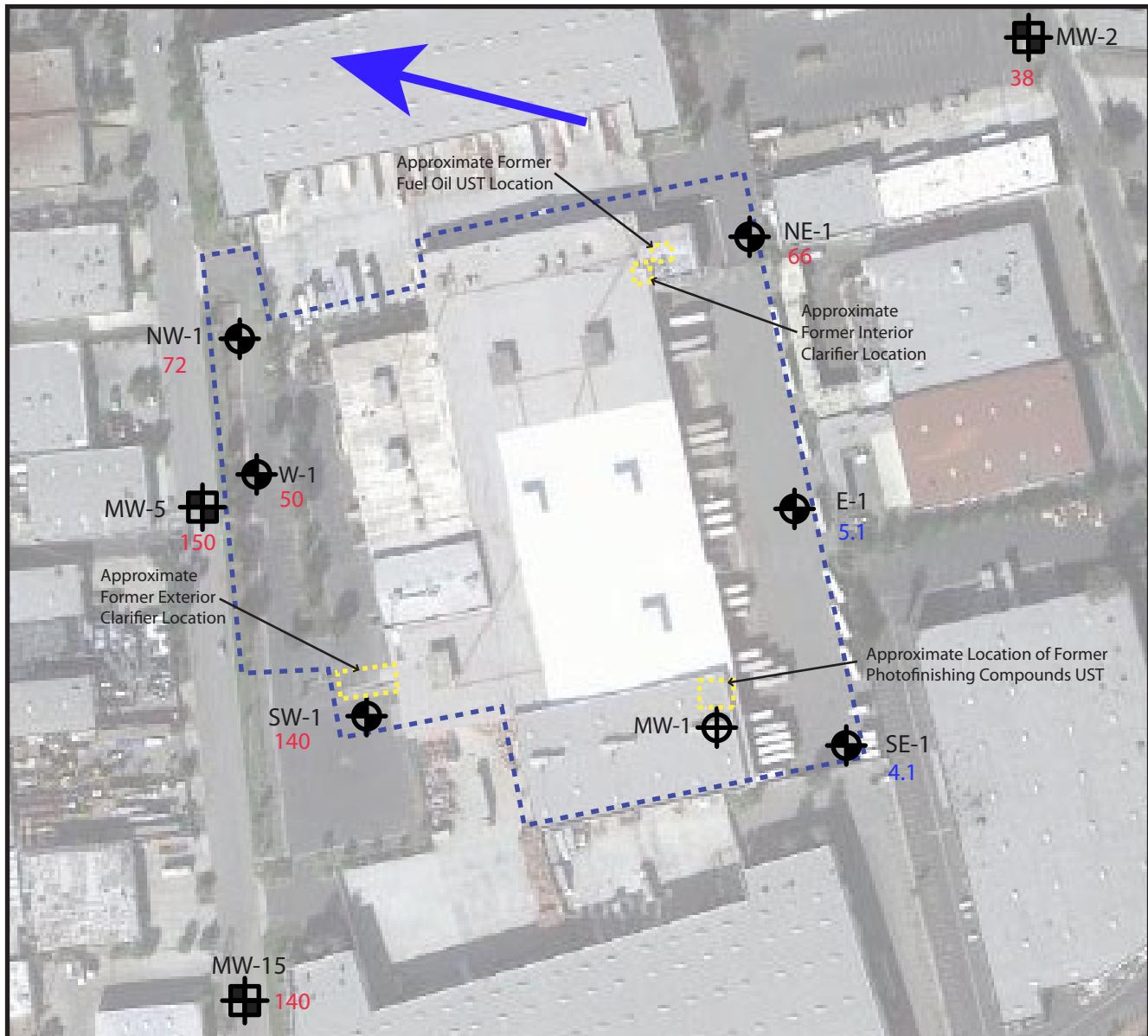


- Monitoring Well (GEOLOGICA 2010)
- USEPA Monitoring Well (Sampling Date August-September 2010)
- Former Monitoring Well (IT Corp 1984)
- 370 Trichloroethene (TCE) (ug/L)



Groundwater Flow Direction

Concentrations in red exceed USEPA (70 ug/L) and/or CA (6 ug/L) MCLs



Legend

Approximate Scale in Feet

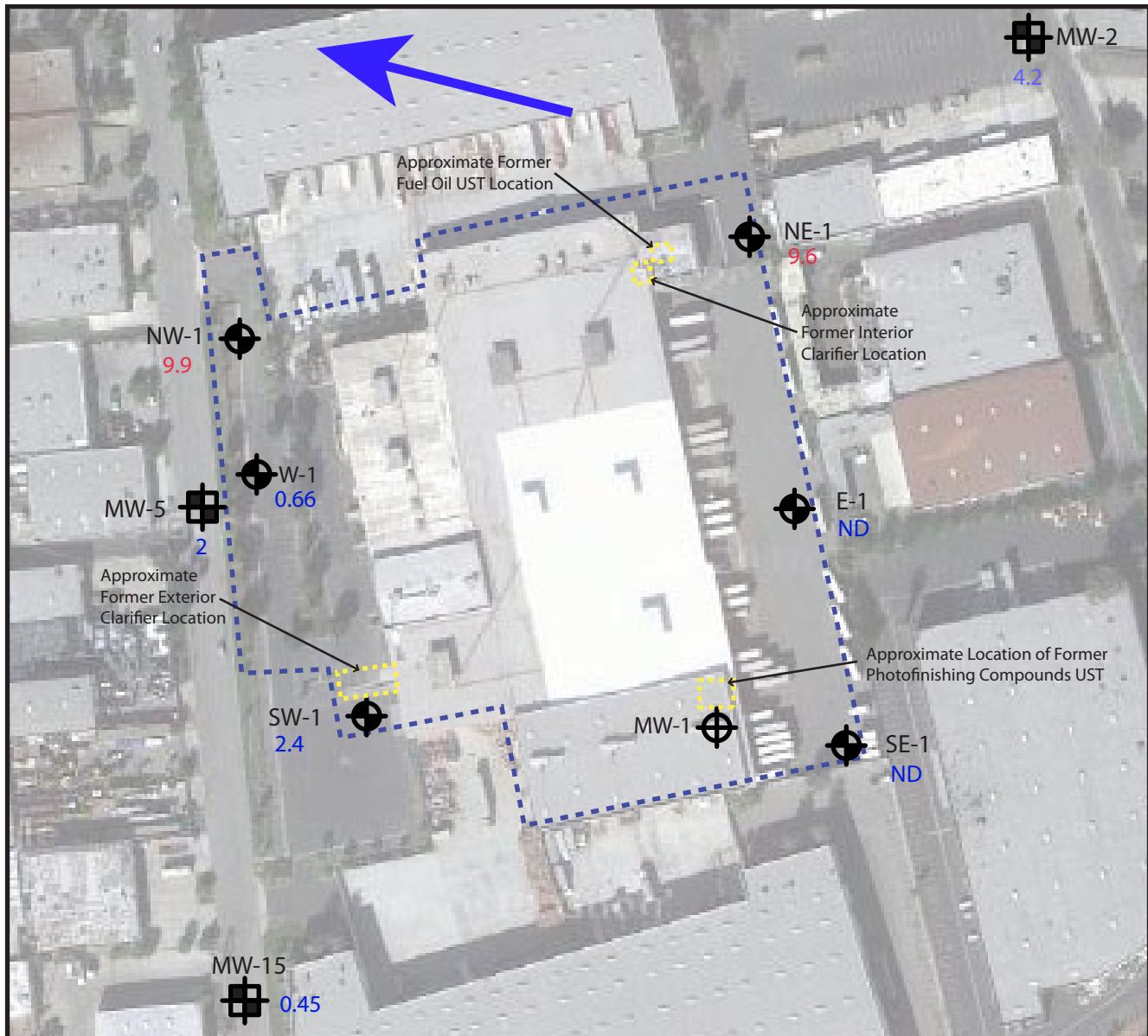


- Monitoring Well (GEOLOGICA 2010)
- USEPA Monitoring Well (Sampling Date August-September 2010)
- Former Monitoring Well (IT Corp 1984)
- 66 1,1-Dichloroethene (mg/L)



Groundwater Flow Direction

Concentrations in red exceed USEPA (7 ug/L) and/or CA (6 ug/L) MCLs



Legend

Approximate Scale in Feet
 0' 120'

- Monitoring Well (GEOLOGICA 2010)
- USEPA Monitoring Well (Sampling Date August-September 2010)
- Former Monitoring Well (IT Corp 1984)
- 9.6 cis-1,2-Dichloroethene (ug/L)

Groundwater Flow Direction

Concentrations in red exceed USEPA (70 ug/L) and/or CA (6 ug/L) MCLs

Appendix A

United States Environmental Protection Agency Omega Site Data Summary

LocID	LogDate	Project	AnalyteName	RESULT	RL	Qualifier	Units	Basis	Detect
MW15	05-Mar-10	2010_QTR1	1,4-Dioxane (p-dioxane)	8.2	2	µg/L	W	ET	
MW15	05-Mar-10	2010_QTR1	1,2-Dibromo-3-chloropropane	0.1	0.1	U	µg/L	W	ND
MW15	05-Mar-10	2010_QTR1	1,2-Dibromoethane	0.1	0.1	U	µg/L	W	ND
MW15	05-Mar-10	2010_QTR1	Acetone	10	10	U	µg/L	W	ND
MW15	05-Mar-10	2010_QTR1	Bromodichloromethane	1	1	U	µg/L	W	ND
MW15	05-Mar-10	2010_QTR1	Bromochloromethane	1	1	U	µg/L	W	ND
MW15	05-Mar-10	2010_QTR1	Bromomethane	1	1	U	µg/L	W	ND
MW15	05-Mar-10	2010_QTR1	Benzene	1	1	U	µg/L	W	ND
MW15	05-Mar-10	2010_QTR1	Toluene	1	1	U	µg/L	W	ND
MW15	05-Mar-10	2010_QTR1	Carbon disulfide	1	1	U	µg/L	W	ND
MW15	05-Mar-10	2010_QTR1	Methyl cyclohexane	1	1	U	µg/L	W	ND
MW15	05-Mar-10	2010_QTR1	Chlorobenzene	1	1	U	µg/L	W	ND
MW15	05-Mar-10	2010_QTR1	Chloroethane	1	1	U	µg/L	W	ND
MW15	05-Mar-10	2010_QTR1	Chloromethane	1	1	U	µg/L	W	ND
MW15	05-Mar-10	2010_QTR1	Carbon tetrachloride	1	1	U	µg/L	W	ND
MW15	05-Mar-10	2010_QTR1	Cyclohexane	1	1	U	µg/L	W	ND
MW15	05-Mar-10	2010_QTR1	Dibromochloromethane	1	1	U	µg/L	W	ND
MW15	05-Mar-10	2010_QTR1	1,2-Dibromo-3-chloropropane	1	1	U	µg/L	W	ND
MW15	05-Mar-10	2010_QTR1	1,1-Dichloroethane	0.72	1	J	µg/L	W	ET
MW15	05-Mar-10	2010_QTR1	1,2-Dichloroethane	1	1	U	µg/L	W	ND
MW15	05-Mar-10	2010_QTR1	1,2-Dichlorobenzene	1	1	U	µg/L	W	ND
MW15	05-Mar-10	2010_QTR1	1,3-Dichlorobenzene	1	1	U	µg/L	W	ND
MW15	05-Mar-10	2010_QTR1	1,4-Dichlorobenzene	1	1	U	µg/L	W	ND
MW15	05-Mar-10	2010_QTR1	1,1-Dichloroethene	190	10		µg/L	W	ET
MW15	05-Mar-10	2010_QTR1	cis-1,2-Dichloroethene	0.61	1	J	µg/L	W	ET
MW15	05-Mar-10	2010_QTR1	trans-1,2-Dichloroethene	0.26	1	J	µg/L	W	ET
MW15	05-Mar-10	2010_QTR1	cis-1,3-Dichloropropene	1	1	U	µg/L	W	ND
MW15	05-Mar-10	2010_QTR1	trans-1,3-Dichloropropene	1	1	U	µg/L	W	ND
MW15	05-Mar-10	2010_QTR1	1,2-Dichloropropane	1	1	U	µg/L	W	ND
MW15	05-Mar-10	2010_QTR1	Ethylbenzene	1	1	U	µg/L	W	ND
MW15	05-Mar-10	2010_QTR1	1,2-Dibromoethane	1	1	U	µg/L	W	ND
MW15	05-Mar-10	2010_QTR1	Trichlorofluoromethane (Freon 11)	89	10		µg/L	W	ET
MW15	05-Mar-10	2010_QTR1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	220	10		µg/L	W	ET
MW15	05-Mar-10	2010_QTR1	Dichlorodifluoromethane (Freon 12)	0.78	1	J	µg/L	W	ET
MW15	05-Mar-10	2010_QTR1	2-Hexanone	10	10	U	µg/L	W	ND
MW15	05-Mar-10	2010_QTR1	Isopropylbenzene	1	1	U	µg/L	W	ND
MW15	05-Mar-10	2010_QTR1	Methyl acetate	1	1	U	µg/L	W	ND
MW15	05-Mar-10	2010_QTR1	Methyl ethyl ketone	10	10	U	µg/L	W	ND
MW15	05-Mar-10	2010_QTR1	Methyl isobutyl ketone	10	10	U	µg/L	W	ND
MW15	05-Mar-10	2010_QTR1	Methylene chloride	1	1	U	µg/L	W	ND

LocID	LogDate	Project	AnalyteName	RESULT	RL	Qualifier	Units	Basis	Detect
MW15	05-Mar-10	2010_QTR1	1,1,2,2-Tetrachloroethane	1	1	U	µg/L	W	ND
MW15	05-Mar-10	2010_QTR1	Tetrachloroethene	210	10		µg/L	W	ET
MW15	05-Mar-10	2010_QTR1	Styrene	1	1	U	µg/L	W	ND
MW15	05-Mar-10	2010_QTR1	Bromoform	1	1	U	µg/L	W	ND
MW15	05-Mar-10	2010_QTR1	Methyl tert-butyl ether	0.64	1	J	µg/L	W	ET
MW15	05-Mar-10	2010_QTR1	1,1,1-Trichloroethane	1	1	U	µg/L	W	ND
MW15	05-Mar-10	2010_QTR1	1,1,2-Trichloroethane	1	1	U	µg/L	W	ND
MW15	05-Mar-10	2010_QTR1	1,2,3-Trichlorobenzene	1	1	U	µg/L	W	ND
MW15	05-Mar-10	2010_QTR1	1,2,4-Trichlorobenzene	1	1	U	µg/L	W	ND
MW15	05-Mar-10	2010_QTR1	Trichloroethene	44	10		µg/L	W	ET
MW15	05-Mar-10	2010_QTR1	Chloroform	28	1		µg/L	W	ET
MW15	05-Mar-10	2010_QTR1	Vinyl chloride	1	1	U	µg/L	W	ND
MW15	05-Mar-10	2010_QTR1	m,p-Xylenes	1	1	U	µg/L	W	ND
MW15	05-Mar-10	2010_QTR1	o-Xylene	1	1	U	µg/L	W	ND
MW15	31-Aug-10	2010_QTR3GW	1,4-Dioxane (p-dioxane)	6	2		µg/L	W	ET
MW15	31-Aug-10	2010_QTR3GW	1,2-Dibromo-3-chloropropane	0.1	0.1	U	µg/L	W	ND
MW15	31-Aug-10	2010_QTR3GW	1,2-Dibromoethane	0.1	0.1	U	µg/L	W	ND
MW15	31-Aug-10	2010_QTR3GW	Acetone	5	5	U	µg/L	W	ND
MW15	31-Aug-10	2010_QTR3GW	Bromodichloromethane	0.5	0.5	U	µg/L	W	ND
MW15	31-Aug-10	2010_QTR3GW	Bromochloromethane	0.5	0.5	U	µg/L	W	ND
MW15	31-Aug-10	2010_QTR3GW	Bromomethane	0.5	0.5	U	µg/L	W	ND
MW15	31-Aug-10	2010_QTR3GW	Benzene	0.5	0.5	U	µg/L	W	ND
MW15	31-Aug-10	2010_QTR3GW	Toluene	0.5	0.5	U	µg/L	W	ND
MW15	31-Aug-10	2010_QTR3GW	Carbon disulfide	0.5	0.5	U	µg/L	W	ND
MW15	31-Aug-10	2010_QTR3GW	Methyl cyclohexane	0.5	0.5	U	µg/L	W	ND
MW15	31-Aug-10	2010_QTR3GW	Chlorobenzene	0.5	0.5	U	µg/L	W	ND
MW15	31-Aug-10	2010_QTR3GW	Chloroethane	0.5	0.5	U	µg/L	W	ND
MW15	31-Aug-10	2010_QTR3GW	Chloromethane	0.5	0.5	U	µg/L	W	ND
MW15	31-Aug-10	2010_QTR3GW	Carbon tetrachloride	0.5	0.5	U	µg/L	W	ND
MW15	31-Aug-10	2010_QTR3GW	Cyclohexane	0.5	0.5	U	µg/L	W	ND
MW15	31-Aug-10	2010_QTR3GW	Dibromochloromethane	0.5	0.5	U	µg/L	W	ND
MW15	31-Aug-10	2010_QTR3GW	1,2-Dibromo-3-chloropropane	0.5	0.5	U	µg/L	W	ND
MW15	31-Aug-10	2010_QTR3GW	1,1-Dichloroethane	0.63	0.5		µg/L	W	ET
MW15	31-Aug-10	2010_QTR3GW	1,2-Dichloroethane	2.3	0.5		µg/L	W	ET
MW15	31-Aug-10	2010_QTR3GW	1,2-Dichlorobenzene	0.5	0.5	U	µg/L	W	ND
MW15	31-Aug-10	2010_QTR3GW	1,3-Dichlorobenzene	0.5	0.5	U	µg/L	W	ND
MW15	31-Aug-10	2010_QTR3GW	1,4-Dichlorobenzene	0.5	0.5	U	µg/L	W	ND
MW15	31-Aug-10	2010_QTR3GW	1,1-Dichloroethene	140	0.5	J	µg/L	W	ET
MW15	31-Aug-10	2010_QTR3GW	cis-1,2-Dichloroethene	0.45	0.5	J	µg/L	W	ET
MW15	31-Aug-10	2010_QTR3GW	trans-1,2-Dichloroethene	0.21	0.5	J	µg/L	W	ET

LocID	LogDate	Project	AnalyteName	RESULT	RL	Qualifier	Units	Basis	Detect
MW15	31-Aug-10	2010_QTR3GW	cis-1,3-Dichloropropene	0.5	0.5	U	µg/L	W	ND
MW15	31-Aug-10	2010_QTR3GW	trans-1,3-Dichloropropene	0.5	0.5	U	µg/L	W	ND
MW15	31-Aug-10	2010_QTR3GW	1,2-Dichloropropane	0.5	0.5	U	µg/L	W	ND
MW15	31-Aug-10	2010_QTR3GW	Ethylbenzene	0.5	0.5	U	µg/L	W	ND
MW15	31-Aug-10	2010_QTR3GW	1,2-Dibromoethane	0.5	0.5	U	µg/L	W	ND
MW15	31-Aug-10	2010_QTR3GW	Trichlorofluoromethane (Freon 11)	100	13		µg/L	W	ET
MW15	31-Aug-10	2010_QTR3GW	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	160	13		µg/L	W	ET
MW15	31-Aug-10	2010_QTR3GW	Dichlorodifluoromethane (Freon 12)	1.6	0.5		µg/L	W	ET
MW15	31-Aug-10	2010_QTR3GW	2-Hexanone	5	5	U	µg/L	W	ND
MW15	31-Aug-10	2010_QTR3GW	Isopropylbenzene	0.5	0.5	U	µg/L	W	ND
MW15	31-Aug-10	2010_QTR3GW	Methyl acetate	0.5	0.5	U	µg/L	W	ND
MW15	31-Aug-10	2010_QTR3GW	Methyl ethyl ketone	5	5	U	µg/L	W	ND
MW15	31-Aug-10	2010_QTR3GW	Methyl isobutyl ketone	5	5	U	µg/L	W	ND
MW15	31-Aug-10	2010_QTR3GW	Methylene chloride	0.5	0.5	U	µg/L	W	ND
MW15	31-Aug-10	2010_QTR3GW	1,1,2,2-Tetrachloroethane	0.5	0.5	U	µg/L	W	ND
MW15	31-Aug-10	2010_QTR3GW	Tetrachloroethene	190	13		µg/L	W	ET
MW15	31-Aug-10	2010_QTR3GW	Styrene	0.5	0.5	U	µg/L	W	ND
MW15	31-Aug-10	2010_QTR3GW	Bromoform	0.5	0.5	U	µg/L	W	ND
MW15	31-Aug-10	2010_QTR3GW	Methyl tert-butyl ether	0.57	0.5		µg/L	W	ET
MW15	31-Aug-10	2010_QTR3GW	1,1,1-Trichloroethane	0.5	0.5	U	µg/L	W	ND
MW15	31-Aug-10	2010_QTR3GW	1,1,2-Trichloroethane	0.5	0.5	U	µg/L	W	ND
MW15	31-Aug-10	2010_QTR3GW	1,2,3-Trichlorobenzene	0.5	0.5	U	µg/L	W	ND
MW15	31-Aug-10	2010_QTR3GW	1,2,4-Trichlorobenzene	0.5	0.5	U	µg/L	W	ND
MW15	31-Aug-10	2010_QTR3GW	Trichloroethene	40	13		µg/L	W	ET
MW15	31-Aug-10	2010_QTR3GW	Chloroform	26	13		µg/L	W	ET
MW15	31-Aug-10	2010_QTR3GW	Vinyl chloride	0.5	0.5	U	µg/L	W	ND
MW15	31-Aug-10	2010_QTR3GW	m,p-Xylenes	0.5	0.5	U	µg/L	W	ND
MW15	31-Aug-10	2010_QTR3GW	o-Xylene	0.5	0.5	U	µg/L	W	ND
MW2	12-Mar-10	2010_QTR1	1,4-Dioxane (p-dioxane)	1.5	2	J	µg/L	W	ET
MW2	12-Mar-10	2010_QTR1	1,2-Dibromo-3-chloropropane	0.1	0.1	U	µg/L	W	ND
MW2	12-Mar-10	2010_QTR1	1,2-Dibromoethane	0.1	0.1	U	µg/L	W	ND
MW2	12-Mar-10	2010_QTR1	Acetone	22	5	J	µg/L	W	ET
MW2	12-Mar-10	2010_QTR1	Bromodichloromethane	0.25	0.5	J	µg/L	W	ET
MW2	12-Mar-10	2010_QTR1	Bromochloromethane	0.5	0.5	U	µg/L	W	ND
MW2	12-Mar-10	2010_QTR1	Bromomethane	0.5	0.5	U	µg/L	W	ND
MW2	12-Mar-10	2010_QTR1	Benzene	0.5	0.5	U	µg/L	W	ND
MW2	12-Mar-10	2010_QTR1	Toluene	0.5	0.5	U	µg/L	W	ND
MW2	12-Mar-10	2010_QTR1	Carbon disulfide	0.5	0.5	U	µg/L	W	ND
MW2	12-Mar-10	2010_QTR1	Methyl cyclohexane	0.5	0.5	U	µg/L	W	ND
MW2	12-Mar-10	2010_QTR1	Chlorobenzene	0.5	0.5	U	µg/L	W	ND

LocID	LogDate	Project	AnalyteName	RESULT	RL	Qualifier	Units	Basis	Detect
MW2	12-Mar-10	2010_QTR1	Chloroethane	0.5	0.5	U	µg/L	W	ND
MW2	12-Mar-10	2010_QTR1	Chloromethane	0.5	0.5	U	µg/L	W	ND
MW2	12-Mar-10	2010_QTR1	Carbon tetrachloride	0.11	0.5	J	µg/L	W	ET
MW2	12-Mar-10	2010_QTR1	Cyclohexane	0.5	0.5	U	µg/L	W	ND
MW2	12-Mar-10	2010_QTR1	Dibromochloromethane	0.5	0.5	U	µg/L	W	ND
MW2	12-Mar-10	2010_QTR1	1,2-Dibromo-3-chloropropane	0.5	0.5	U	µg/L	W	ND
MW2	12-Mar-10	2010_QTR1	1,1-Dichloroethane	0.12	0.5	J	µg/L	W	ET
MW2	12-Mar-10	2010_QTR1	1,2-Dichloroethane	0.73	0.5	J	µg/L	W	ET
MW2	12-Mar-10	2010_QTR1	1,2-Dichlorobenzene	0.5	0.5	U	µg/L	W	ND
MW2	12-Mar-10	2010_QTR1	1,3-Dichlorobenzene	0.5	0.5	U	µg/L	W	ND
MW2	12-Mar-10	2010_QTR1	1,4-Dichlorobenzene	0.5	0.5	U	µg/L	W	ND
MW2	12-Mar-10	2010_QTR1	cis-1,2-Dichloroethene	0.21	0.5	J	µg/L	W	ET
MW2	12-Mar-10	2010_QTR1	trans-1,2-Dichloroethene	0.5	0.5	U	µg/L	W	ND
MW2	12-Mar-10	2010_QTR1	cis-1,3-Dichloropropene	0.5	0.5	U	µg/L	W	ND
MW2	12-Mar-10	2010_QTR1	trans-1,3-Dichloropropene	0.5	0.5	U	µg/L	W	ND
MW2	12-Mar-10	2010_QTR1	1,2-Dichloropropane	0.5	0.5	U	µg/L	W	ND
MW2	12-Mar-10	2010_QTR1	Ethylbenzene	0.5	0.5	U	µg/L	W	ND
MW2	12-Mar-10	2010_QTR1	1,2-Dibromoethane	0.5	0.5	U	µg/L	W	ND
MW2	12-Mar-10	2010_QTR1	Trichlorofluoromethane (Freon 11)	17	0.5	J	µg/L	W	ET
MW2	12-Mar-10	2010_QTR1	Dichlorodifluoromethane (Freon 12)	0.13	0.5	J	µg/L	W	ET
MW2	12-Mar-10	2010_QTR1	2-Hexanone	5	5	U	µg/L	W	ND
MW2	12-Mar-10	2010_QTR1	Isopropylbenzene	0.5	0.5	U	µg/L	W	ND
MW2	12-Mar-10	2010_QTR1	Methyl acetate	0.5	0.5	UJ	µg/L	W	ND
MW2	12-Mar-10	2010_QTR1	Methyl ethyl ketone	5	5	UJ	µg/L	W	ND
MW2	12-Mar-10	2010_QTR1	Methyl isobutyl ketone	5	5	U	µg/L	W	ND
MW2	12-Mar-10	2010_QTR1	Methylene chloride	0.5	0.5	U	µg/L	W	ND
MW2	12-Mar-10	2010_QTR1	1,1,2,2-Tetrachloroethane	0.5	0.5	U	µg/L	W	ND
MW2	12-Mar-10	2010_QTR1	Tetrachloroethene	63	5		µg/L	W	ET
MW2	12-Mar-10	2010_QTR1	Styrene	0.5	0.5	U	µg/L	W	ND
MW2	12-Mar-10	2010_QTR1	Bromoform	0.5	0.5	U	µg/L	W	ND
MW2	12-Mar-10	2010_QTR1	Methyl tert-butyl ether	0.39	0.5	J	µg/L	W	ET
MW2	12-Mar-10	2010_QTR1	1,1,1-Trichloroethane	0.5	0.5	U	µg/L	W	ND
MW2	12-Mar-10	2010_QTR1	1,1,2-Trichloroethane	0.5	0.5	U	µg/L	W	ND
MW2	12-Mar-10	2010_QTR1	1,2,3-Trichlorobenzene	0.5	0.5	U	µg/L	W	ND
MW2	12-Mar-10	2010_QTR1	1,2,4-Trichlorobenzene	0.5	0.5	U	µg/L	W	ND
MW2	12-Mar-10	2010_QTR1	Trichloroethene	8.6	0.5		µg/L	W	ET
MW2	12-Mar-10	2010_QTR1	Chloroform	4.9	0.5	UJ	µg/L	W	ND
MW2	12-Mar-10	2010_QTR1	Vinyl chloride	0.5	0.5	U	µg/L	W	ND
MW2	12-Mar-10	2010_QTR1	m,p-Xylenes	0.5	0.5	U	µg/L	W	ND
MW2	12-Mar-10	2010_QTR1	o-Xylene	0.5	0.5	U	µg/L	W	ND

LocID	LogDate	Project	AnalyteName	RESULT	RL	Qualifier	Units	Basis	Detect
MW2	02-Sep-10	2010_QTR3GW	1,4-Dioxane (p-dioxane)	2	1.9		µg/L	W	ET
MW2	02-Sep-10	2010_QTR3GW	1,2-Dibromo-3-chloropropane	0.1	0.1	U	µg/L	W	ND
MW2	02-Sep-10	2010_QTR3GW	1,2-Dibromoethane	0.1	0.1	U	µg/L	W	ND
MW2	02-Sep-10	2010_QTR3GW	Acetone	42	42	U	µg/L	W	ND
MW2	02-Sep-10	2010_QTR3GW	Bromodichloromethane	4.2	4.2	U	µg/L	W	ND
MW2	02-Sep-10	2010_QTR3GW	Bromochloromethane	4.2	4.2	U	µg/L	W	ND
MW2	02-Sep-10	2010_QTR3GW	Bromomethane	4.2	4.2	U	µg/L	W	ND
MW2	02-Sep-10	2010_QTR3GW	Benzene	4.2	4.2	U	µg/L	W	ND
MW2	02-Sep-10	2010_QTR3GW	Toluene	4.2	4.2	U	µg/L	W	ND
MW2	02-Sep-10	2010_QTR3GW	Carbon disulfide	4.2	4.2	U	µg/L	W	ND
MW2	02-Sep-10	2010_QTR3GW	Methyl cyclohexane	4.2	4.2	U	µg/L	W	ND
MW2	02-Sep-10	2010_QTR3GW	Chlorobenzene	4.2	4.2	U	µg/L	W	ND
MW2	02-Sep-10	2010_QTR3GW	Chloroethane	4.2	4.2	U	µg/L	W	ND
MW2	02-Sep-10	2010_QTR3GW	Chloromethane	4.2	4.2	U	µg/L	W	ND
MW2	02-Sep-10	2010_QTR3GW	Carbon tetrachloride	4.2	4.2	U	µg/L	W	ND
MW2	02-Sep-10	2010_QTR3GW	Cyclohexane	4.2	4.2	U	µg/L	W	ND
MW2	02-Sep-10	2010_QTR3GW	Dibromochloromethane	4.2	4.2	U	µg/L	W	ND
MW2	02-Sep-10	2010_QTR3GW	1,2-Dibromo-3-chloropropane	4.2	4.2	U	µg/L	W	ND
MW2	02-Sep-10	2010_QTR3GW	1,1-Dichloroethane	4.2	4.2	U	µg/L	W	ND
MW2	02-Sep-10	2010_QTR3GW	1,2-Dichloroethane	4.2	4.2	U	µg/L	W	ND
MW2	02-Sep-10	2010_QTR3GW	1,2-Dichlorobenzene	4.2	4.2	U	µg/L	W	ND
MW2	02-Sep-10	2010_QTR3GW	1,3-Dichlorobenzene	4.2	4.2	U	µg/L	W	ND
MW2	02-Sep-10	2010_QTR3GW	1,4-Dichlorobenzene	4.2	4.2	U	µg/L	W	ND
MW2	02-Sep-10	2010_QTR3GW	1,1-Dichloroethene	38	4.2		µg/L	W	ET
MW2	02-Sep-10	2010_QTR3GW	cis-1,2-Dichloroethene	4.2	4.2	U	µg/L	W	ND
MW2	02-Sep-10	2010_QTR3GW	trans-1,2-Dichloroethene	4.2	4.2	U	µg/L	W	ND
MW2	02-Sep-10	2010_QTR3GW	cis-1,3-Dichloropropene	4.2	4.2	U	µg/L	W	ND
MW2	02-Sep-10	2010_QTR3GW	trans-1,3-Dichloropropene	4.2	4.2	U	µg/L	W	ND
MW2	02-Sep-10	2010_QTR3GW	1,2-Dichloropropane	4.2	4.2	U	µg/L	W	ND
MW2	02-Sep-10	2010_QTR3GW	Ethylbenzene	4.2	4.2	U	µg/L	W	ND
MW2	02-Sep-10	2010_QTR3GW	1,2-Dibromoethane	4.2	4.2	U	µg/L	W	ND
MW2	02-Sep-10	2010_QTR3GW	Trichlorofluoromethane (Freon 11)	19	4.2		µg/L	W	ET
MW2	02-Sep-10	2010_QTR3GW	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	49	4.2		µg/L	W	ET
MW2	02-Sep-10	2010_QTR3GW	Dichlorodifluoromethane (Freon 12)	4.2	4.2	U	µg/L	W	ND
MW2	02-Sep-10	2010_QTR3GW	2-Hexanone	42	42	U	µg/L	W	ND
MW2	02-Sep-10	2010_QTR3GW	Isopropylbenzene	4.2	4.2	U	µg/L	W	ND
MW2	02-Sep-10	2010_QTR3GW	Methyl acetate	4.2	4.2	U	µg/L	W	ND
MW2	02-Sep-10	2010_QTR3GW	Methyl ethyl ketone	42	42	U	µg/L	W	ND
MW2	02-Sep-10	2010_QTR3GW	Methyl isobutyl ketone	42	42	U	µg/L	W	ND
MW2	02-Sep-10	2010_QTR3GW	Methylene chloride	4.2	4.2	U	µg/L	W	ND

LocID	LogDate	Project	AnalyteName	RESULT	RL	Qualifier	Units	Basis	Detect
MW2	02-Sep-10	2010_QTR3GW	1,1,2,2-Tetrachloroethane	4.2	4.2	U	µg/L	W	ND
MW2	02-Sep-10	2010_QTR3GW	Tetrachloroethene	92	4.2		µg/L	W	ET
MW2	02-Sep-10	2010_QTR3GW	Styrene	4.2	4.2	U	µg/L	W	ND
MW2	02-Sep-10	2010_QTR3GW	Bromoform	4.2	4.2	U	µg/L	W	ND
MW2	02-Sep-10	2010_QTR3GW	Methyl tert-butyl ether	0.69	4.2	J	µg/L	W	ET
MW2	02-Sep-10	2010_QTR3GW	1,1,1-Trichloroethane	4.2	4.2	U	µg/L	W	ND
MW2	02-Sep-10	2010_QTR3GW	1,1,2-Trichloroethane	4.2	4.2	U	µg/L	W	ND
MW2	02-Sep-10	2010_QTR3GW	1,2,3-Trichlorobenzene	4.2	4.2	U	µg/L	W	ND
MW2	02-Sep-10	2010_QTR3GW	1,2,4-Trichlorobenzene	4.2	4.2	U	µg/L	W	ND
MW2	02-Sep-10	2010_QTR3GW	Trichloroethene	19	4.2		µg/L	W	ET
MW2	02-Sep-10	2010_QTR3GW	Chloroform	7.4	4.2		µg/L	W	ET
MW2	02-Sep-10	2010_QTR3GW	Vinyl chloride	4.2	4.2	U	µg/L	W	ND
MW2	02-Sep-10	2010_QTR3GW	m,p-Xylenes	4.2	4.2	U	µg/L	W	ND
MW2	02-Sep-10	2010_QTR3GW	o-Xylene	4.2	4.2	U	µg/L	W	ND
MW5	11-Mar-10	2010_QTR1	1,4-Dioxane (p-dioxane)	15	2		µg/L	W	ET
MW5	11-Mar-10	2010_QTR1	1,2-Dibromo-3-chloropropane	0.3	0.3	U	µg/L	W	ND
MW5	11-Mar-10	2010_QTR1	1,2-Dibromoethane	0.3	0.3	U	µg/L	W	ND
MW5	11-Mar-10	2010_QTR1	Acetone	25	25	U	µg/L	W	ND
MW5	11-Mar-10	2010_QTR1	Bromodichloromethane	2.5	2.5	U	µg/L	W	ND
MW5	11-Mar-10	2010_QTR1	Bromochloromethane	2.5	2.5	U	µg/L	W	ND
MW5	11-Mar-10	2010_QTR1	Bromomethane	2.5	2.5	U	µg/L	W	ND
MW5	11-Mar-10	2010_QTR1	Benzene	2.5	2.5	U	µg/L	W	ND
MW5	11-Mar-10	2010_QTR1	Toluene	2.5	2.5	U	µg/L	W	ND
MW5	11-Mar-10	2010_QTR1	Carbon disulfide	2.5	2.5	U	µg/L	W	ND
MW5	11-Mar-10	2010_QTR1	Methyl cyclohexane	2.5	2.5	U	µg/L	W	ND
MW5	11-Mar-10	2010_QTR1	Chlorobenzene	2.5	2.5	U	µg/L	W	ND
MW5	11-Mar-10	2010_QTR1	Chloroethane	2.5	2.5	U	µg/L	W	ND
MW5	11-Mar-10	2010_QTR1	Chloromethane	2.5	2.5	U	µg/L	W	ND
MW5	11-Mar-10	2010_QTR1	Carbon tetrachloride	2.5	2.5	U	µg/L	W	ND
MW5	11-Mar-10	2010_QTR1	Cyclohexane	2.5	2.5	U	µg/L	W	ND
MW5	11-Mar-10	2010_QTR1	Dibromochloromethane	2.5	2.5	U	µg/L	W	ND
MW5	11-Mar-10	2010_QTR1	1,2-Dibromo-3-chloropropane	2.5	2.5	U	µg/L	W	ND
MW5	11-Mar-10	2010_QTR1	1,1-Dichloroethane	1.3	2.5	J	µg/L	W	ET
MW5	11-Mar-10	2010_QTR1	1,2-Dichloroethane	2.5	2.5	U	µg/L	W	ND
MW5	11-Mar-10	2010_QTR1	1,2-Dichlorobenzene	2.5	2.5	U	µg/L	W	ND
MW5	11-Mar-10	2010_QTR1	1,3-Dichlorobenzene	2.5	2.5	U	µg/L	W	ND
MW5	11-Mar-10	2010_QTR1	1,4-Dichlorobenzene	2.5	2.5	U	µg/L	W	ND
MW5	11-Mar-10	2010_QTR1	1,1-Dichloroethene	310	25		µg/L	W	ET
MW5	11-Mar-10	2010_QTR1	cis-1,2-Dichloroethene	4	2.5		µg/L	W	ET
MW5	11-Mar-10	2010_QTR1	trans-1,2-Dichloroethene	0.69	2.5	J	µg/L	W	ET

LocID	LogDate	Project	AnalyteName	RESULT	RL	Qualifier	Units	Basis	Detect
MW5	11-Mar-10	2010_QTR1	cis-1,3-Dichloropropene	2.5	2.5	U	µg/L	W	ND
MW5	11-Mar-10	2010_QTR1	trans-1,3-Dichloropropene	2.5	2.5	U	µg/L	W	ND
MW5	11-Mar-10	2010_QTR1	1,2-Dichloropropane	2.5	2.5	U	µg/L	W	ND
MW5	11-Mar-10	2010_QTR1	Ethylbenzene	2.5	2.5	U	µg/L	W	ND
MW5	11-Mar-10	2010_QTR1	1,2-Dibromoethane	2.5	2.5	U	µg/L	W	ND
MW5	11-Mar-10	2010_QTR1	Trichlorofluoromethane (Freon 11)	140	25		µg/L	W	ET
MW5	11-Mar-10	2010_QTR1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	340	25		µg/L	W	ET
MW5	11-Mar-10	2010_QTR1	Dichlorodifluoromethane (Freon 12)	1.1	2.5	J	µg/L	W	ET
MW5	11-Mar-10	2010_QTR1	2-Hexanone	25	25	U	µg/L	W	ND
MW5	11-Mar-10	2010_QTR1	Isopropylbenzene	2.5	2.5	U	µg/L	W	ND
MW5	11-Mar-10	2010_QTR1	Methyl acetate	2.5	2.5	U	µg/L	W	ND
MW5	11-Mar-10	2010_QTR1	Methyl ethyl ketone	25	25	U	µg/L	W	ND
MW5	11-Mar-10	2010_QTR1	Methyl isobutyl ketone	25	25	U	µg/L	W	ND
MW5	11-Mar-10	2010_QTR1	Methylene chloride	2.5	2.5	U	µg/L	W	ND
MW5	11-Mar-10	2010_QTR1	1,1,2,2-Tetrachloroethane	2.5	2.5	U	µg/L	W	ND
MW5	11-Mar-10	2010_QTR1	Tetrachloroethene	380	25		µg/L	W	ET
MW5	11-Mar-10	2010_QTR1	Styrene	2.5	2.5	U	µg/L	W	ND
MW5	11-Mar-10	2010_QTR1	Bromoform	2.5	2.5	U	µg/L	W	ND
MW5	11-Mar-10	2010_QTR1	Methyl tert-butyl ether	1.2	2.5	J	µg/L	W	ET
MW5	11-Mar-10	2010_QTR1	1,1,1-Trichloroethane	2.5	2.5	U	µg/L	W	ND
MW5	11-Mar-10	2010_QTR1	1,1,2-Trichloroethane	2.5	2.5	U	µg/L	W	ND
MW5	11-Mar-10	2010_QTR1	1,2,3-Trichlorobenzene	2.5	2.5	U	µg/L	W	ND
MW5	11-Mar-10	2010_QTR1	1,2,4-Trichlorobenzene	2.5	2.5	U	µg/L	W	ND
MW5	11-Mar-10	2010_QTR1	Trichloroethene	180	25		µg/L	W	ET
MW5	11-Mar-10	2010_QTR1	Chloroform	61	2.5		µg/L	W	ET
MW5	11-Mar-10	2010_QTR1	Vinyl chloride	2.5	2.5	U	µg/L	W	ND
MW5	11-Mar-10	2010_QTR1	m,p-Xylenes	2.5	2.5	U	µg/L	W	ND
MW5	11-Mar-10	2010_QTR1	o-Xylene	2.5	2.5	U	µg/L	W	ND
MW5	11-Mar-10	2010_QTR1	1,4-Dioxane (p-dioxane)	17	2		µg/L	W	ET
MW5	11-Mar-10	2010_QTR1	1,2-Dibromo-3-chloropropane	0.3	0.3	U	µg/L	W	ND
MW5	11-Mar-10	2010_QTR1	1,2-Dibromoethane	0.3	0.3	U	µg/L	W	ND
MW5	11-Mar-10	2010_QTR1	Acetone	25	25	U	µg/L	W	ND
MW5	11-Mar-10	2010_QTR1	Bromodichloromethane	2.5	2.5	U	µg/L	W	ND
MW5	11-Mar-10	2010_QTR1	Bromochloromethane	2.5	2.5	U	µg/L	W	ND
MW5	11-Mar-10	2010_QTR1	Bromomethane	2.5	2.5	U	µg/L	W	ND
MW5	11-Mar-10	2010_QTR1	Benzene	2.5	2.5	U	µg/L	W	ND
MW5	11-Mar-10	2010_QTR1	Toluene	2.5	2.5	U	µg/L	W	ND
MW5	11-Mar-10	2010_QTR1	Carbon disulfide	2.5	2.5	U	µg/L	W	ND
MW5	11-Mar-10	2010_QTR1	Methyl cyclohexane	2.5	2.5	U	µg/L	W	ND
MW5	11-Mar-10	2010_QTR1	Chlorobenzene	2.5	2.5	U	µg/L	W	ND

LocID	LogDate	Project	AnalyteName	RESULT	RL	Qualifier	Units	Basis	Detect
MW5	11-Mar-10	2010_QTR1	Chloroethane	2.5	2.5	U	µg/L	W	ND
MW5	11-Mar-10	2010_QTR1	Chloromethane	2.5	2.5	U	µg/L	W	ND
MW5	11-Mar-10	2010_QTR1	Carbon tetrachloride	2.5	2.5	U	µg/L	W	ND
MW5	11-Mar-10	2010_QTR1	Cyclohexane	2.5	2.5	U	µg/L	W	ND
MW5	11-Mar-10	2010_QTR1	Dibromochloromethane	2.5	2.5	U	µg/L	W	ND
MW5	11-Mar-10	2010_QTR1	1,2-Dibromo-3-chloropropane	2.5	2.5	U	µg/L	W	ND
MW5	11-Mar-10	2010_QTR1	1,1-Dichloroethane	1.3	2.5	J	µg/L	W	ET
MW5	11-Mar-10	2010_QTR1	1,2-Dichloroethane	2.5	2.5	U	µg/L	W	ND
MW5	11-Mar-10	2010_QTR1	1,2-Dichlorobenzene	2.5	2.5	U	µg/L	W	ND
MW5	11-Mar-10	2010_QTR1	1,3-Dichlorobenzene	2.5	2.5	U	µg/L	W	ND
MW5	11-Mar-10	2010_QTR1	1,4-Dichlorobenzene	2.5	2.5	U	µg/L	W	ND
MW5	11-Mar-10	2010_QTR1	1,1-Dichloroethene	310	25		µg/L	W	ET
MW5	11-Mar-10	2010_QTR1	cis-1,2-Dichloroethene	4.1	2.5		µg/L	W	ET
MW5	11-Mar-10	2010_QTR1	trans-1,2-Dichloroethene	0.75	2.5	J	µg/L	W	ET
MW5	11-Mar-10	2010_QTR1	cis-1,3-Dichloropropene	2.5	2.5	U	µg/L	W	ND
MW5	11-Mar-10	2010_QTR1	trans-1,3-Dichloropropene	2.5	2.5	U	µg/L	W	ND
MW5	11-Mar-10	2010_QTR1	1,2-Dichloropropane	2.5	2.5	U	µg/L	W	ND
MW5	11-Mar-10	2010_QTR1	Ethylbenzene	2.5	2.5	U	µg/L	W	ND
MW5	11-Mar-10	2010_QTR1	1,2-Dibromoethane	2.5	2.5	U	µg/L	W	ND
MW5	11-Mar-10	2010_QTR1	Trichlorofluoromethane (Freon 11)	140	25		µg/L	W	ET
MW5	11-Mar-10	2010_QTR1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	350	25		µg/L	W	ET
MW5	11-Mar-10	2010_QTR1	Dichlorodifluoromethane (Freon 12)	1.2	2.5	J	µg/L	W	ET
MW5	11-Mar-10	2010_QTR1	2-Hexanone	25	25	U	µg/L	W	ND
MW5	11-Mar-10	2010_QTR1	Isopropylbenzene	2.5	2.5	U	µg/L	W	ND
MW5	11-Mar-10	2010_QTR1	Methyl acetate	2.5	2.5	U	µg/L	W	ND
MW5	11-Mar-10	2010_QTR1	Methyl ethyl ketone	25	25	U	µg/L	W	ND
MW5	11-Mar-10	2010_QTR1	Methyl isobutyl ketone	25	25	U	µg/L	W	ND
MW5	11-Mar-10	2010_QTR1	Methylene chloride	1.1	2.5	J	µg/L	W	ET
MW5	11-Mar-10	2010_QTR1	1,1,2,2-Tetrachloroethane	2.5	2.5	U	µg/L	W	ND
MW5	11-Mar-10	2010_QTR1	Tetrachloroethene	400	25		µg/L	W	ET
MW5	11-Mar-10	2010_QTR1	Styrene	2.5	2.5	U	µg/L	W	ND
MW5	11-Mar-10	2010_QTR1	Bromoform	2.5	2.5	U	µg/L	W	ND
MW5	11-Mar-10	2010_QTR1	Methyl tert-butyl ether	1.2	2.5	J	µg/L	W	ET
MW5	11-Mar-10	2010_QTR1	1,1,1-Trichloroethane	2.5	2.5	U	µg/L	W	ND
MW5	11-Mar-10	2010_QTR1	1,1,2-Trichloroethane	2.5	2.5	U	µg/L	W	ND
MW5	11-Mar-10	2010_QTR1	1,2,3-Trichlorobenzene	2.5	2.5	U	µg/L	W	ND
MW5	11-Mar-10	2010_QTR1	1,2,4-Trichlorobenzene	2.5	2.5	U	µg/L	W	ND
MW5	11-Mar-10	2010_QTR1	Trichloroethene	180	25		µg/L	W	ET
MW5	11-Mar-10	2010_QTR1	Chloroform	62	2.5		µg/L	W	ET
MW5	11-Mar-10	2010_QTR1	Vinyl chloride	2.5	2.5	U	µg/L	W	ND

LocID	LogDate	Project	AnalyteName	RESULT	RL	Qualifier	Units	Basis	Detect
MW5	11-Mar-10	2010_QTR1	m,p-Xylenes	2.5	2.5	U	µg/L	W	ND
MW5	11-Mar-10	2010_QTR1	o-Xylene	2.5	2.5	U	µg/L	W	ND
MW5	31-Aug-10	2010_QTR3GW	1,4-Dioxane (p-dioxane)	8.8	2		µg/L	W	ET
MW5	31-Aug-10	2010_QTR3GW	1,2-Dibromo-3-chloropropane	0.1	0.1	U	µg/L	W	ND
MW5	31-Aug-10	2010_QTR3GW	1,2-Dibromoethane	0.1	0.1	U	µg/L	W	ND
MW5	31-Aug-10	2010_QTR3GW	Acetone	5	5	U	µg/L	W	ND
MW5	31-Aug-10	2010_QTR3GW	Bromodichloromethane	0.5	0.5	U	µg/L	W	ND
MW5	31-Aug-10	2010_QTR3GW	Bromochloromethane	0.5	0.5	U	µg/L	W	ND
MW5	31-Aug-10	2010_QTR3GW	Bromomethane	0.5	0.5	U	µg/L	W	ND
MW5	31-Aug-10	2010_QTR3GW	Benzene	0.5	0.5	U	µg/L	W	ND
MW5	31-Aug-10	2010_QTR3GW	Toluene	0.5	0.5	U	µg/L	W	ND
MW5	31-Aug-10	2010_QTR3GW	Carbon disulfide	0.5	0.5	U	µg/L	W	ND
MW5	31-Aug-10	2010_QTR3GW	Methyl cyclohexane	0.5	0.5	U	µg/L	W	ND
MW5	31-Aug-10	2010_QTR3GW	Chlorobenzene	0.5	0.5	U	µg/L	W	ND
MW5	31-Aug-10	2010_QTR3GW	Chloroethane	0.5	0.5	U	µg/L	W	ND
MW5	31-Aug-10	2010_QTR3GW	Chloromethane	0.5	0.5	U	µg/L	W	ND
MW5	31-Aug-10	2010_QTR3GW	Carbon tetrachloride	0.5	0.5	U	µg/L	W	ND
MW5	31-Aug-10	2010_QTR3GW	Cyclohexane	0.5	0.5	U	µg/L	W	ND
MW5	31-Aug-10	2010_QTR3GW	Dibromochloromethane	0.5	0.5	U	µg/L	W	ND
MW5	31-Aug-10	2010_QTR3GW	1,2-Dibromo-3-chloropropane	0.5	0.5	U	µg/L	W	ND
MW5	31-Aug-10	2010_QTR3GW	1,1-Dichloroethane	0.73	0.5	J	µg/L	W	ET
MW5	31-Aug-10	2010_QTR3GW	1,2-Dichloroethane	2.9	0.5		µg/L	W	ET
MW5	31-Aug-10	2010_QTR3GW	1,2-Dichlorobenzene	0.5	0.5	U	µg/L	W	ND
MW5	31-Aug-10	2010_QTR3GW	1,3-Dichlorobenzene	0.5	0.5	U	µg/L	W	ND
MW5	31-Aug-10	2010_QTR3GW	1,4-Dichlorobenzene	0.5	0.5	U	µg/L	W	ND
MW5	31-Aug-10	2010_QTR3GW	1,1-Dichloroethene	150	0.5	J	µg/L	W	ET
MW5	31-Aug-10	2010_QTR3GW	cis-1,2-Dichloroethene	2	0.5	J	µg/L	W	ET
MW5	31-Aug-10	2010_QTR3GW	trans-1,2-Dichloroethene	0.3	0.5	J	µg/L	W	ET
MW5	31-Aug-10	2010_QTR3GW	cis-1,3-Dichloropropene	0.5	0.5	U	µg/L	W	ND
MW5	31-Aug-10	2010_QTR3GW	trans-1,3-Dichloropropene	0.5	0.5	U	µg/L	W	ND
MW5	31-Aug-10	2010_QTR3GW	1,2-Dichloropropane	0.5	0.5	U	µg/L	W	ND
MW5	31-Aug-10	2010_QTR3GW	Ethylbenzene	0.5	0.5	U	µg/L	W	ND
MW5	31-Aug-10	2010_QTR3GW	1,2-Dibromoethane	0.5	0.5	U	µg/L	W	ND
MW5	31-Aug-10	2010_QTR3GW	Trichlorofluoromethane (Freon 11)	130	10		µg/L	W	ET
MW5	31-Aug-10	2010_QTR3GW	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	170	10		µg/L	W	ET
MW5	31-Aug-10	2010_QTR3GW	Dichlorodifluoromethane (Freon 12)	1.7	0.5		µg/L	W	ET
MW5	31-Aug-10	2010_QTR3GW	2-Hexanone	5	5	U	µg/L	W	ND
MW5	31-Aug-10	2010_QTR3GW	Isopropylbenzene	0.5	0.5	U	µg/L	W	ND
MW5	31-Aug-10	2010_QTR3GW	Methyl acetate	0.5	0.5	U	µg/L	W	ND
MW5	31-Aug-10	2010_QTR3GW	Methyl ethyl ketone	5	5	U	µg/L	W	ND

LocID	LogDate	Project	AnalyteName	RESULT	RL	Qualifier	Units	Basis	Detect
MW5	31-Aug-10	2010_QTR3GW	Methyl isobutyl ketone	5	5	U	µg/L	W	ND
MW5	31-Aug-10	2010_QTR3GW	Methylene chloride	0.5	0.5	U	µg/L	W	ND
MW5	31-Aug-10	2010_QTR3GW	1,1,2,2-Tetrachloroethane	0.5	0.5	U	µg/L	W	ND
MW5	31-Aug-10	2010_QTR3GW	Tetrachloroethene	210	10		µg/L	W	ET
MW5	31-Aug-10	2010_QTR3GW	Styrene	0.5	0.5	U	µg/L	W	ND
MW5	31-Aug-10	2010_QTR3GW	Bromoform	0.5	0.5	U	µg/L	W	ND
MW5	31-Aug-10	2010_QTR3GW	Methyl tert-butyl ether	0.46	0.5	J	µg/L	W	ET
MW5	31-Aug-10	2010_QTR3GW	1,1,1-Trichloroethane	0.5	0.5	U	µg/L	W	ND
MW5	31-Aug-10	2010_QTR3GW	1,1,2-Trichloroethane	0.5	0.5	U	µg/L	W	ND
MW5	31-Aug-10	2010_QTR3GW	1,2,3-Trichlorobenzene	0.5	0.5	U	µg/L	W	ND
MW5	31-Aug-10	2010_QTR3GW	1,2,4-Trichlorobenzene	0.5	0.5	U	µg/L	W	ND
MW5	31-Aug-10	2010_QTR3GW	Trichloroethene	90	10		µg/L	W	ET
MW5	31-Aug-10	2010_QTR3GW	Chloroform	24	0.5	J	µg/L	W	ET
MW5	31-Aug-10	2010_QTR3GW	Vinyl chloride	0.5	0.5	U	µg/L	W	ND
MW5	31-Aug-10	2010_QTR3GW	m,p-Xylenes	0.5	0.5	U	µg/L	W	ND
MW5	31-Aug-10	2010_QTR3GW	o-Xylene	0.5	0.5	U	µg/L	W	ND

Appendix B

Monitoring Wells Application Permit, Soil Boring Logs, Monitoring Well Logs, and Well Development Logs

ANGELES COUNTY DEPARTMENT OF PUBLIC HEALTH
 ENVIRONMENTAL HEALTH
 Bureau of Environmental Protection
 Drinking Water Program
 5050 Commerce Drive, Baldwin Park, CA 91706
 (626) 430-5420 Fax (626) 813-3016



08/10/10 2:01PM
 0000004395 XX59
 CLERK 10

SERVICE REQUEST APPLICATION

#10

#100

WLS F/S \$1206.00 | non-refundable fee to the application. Make the money order or check
 ANGELES COUNTY PUBLIC HEALTH, DO NOT SEND CASH. This application

CHECK

\$1206.00

TYPE OF SERVICE REQUESTED

		Qty.	Fee	Total \$
ENVIRONMENTAL HEALTH DEPARTMENT BALDWIN PARK CALIF	STRUCTION OR DESTRUCTION (dropunch for ground water sampling)	6	X \$201	= 1,206
	RENOVATION OR DESTRUCTION PERMIT (n, industrial, cathodic, and ground water injection)		X \$327	=
	WATER SUPPLY TEST AND CERTIFICATION Required by U.S. Department of Agriculture for food processing facilities		X \$201	=
	WELL YIELD TEST PERMIT		X \$337	=
	WATER TREATMENT DEVICE REVIEW		X \$142	=

Refer to Schedule of Fees for the current fiscal year. Field personnel cannot accept fees

2. Check with Contact Office stamped below for requirements or information
3. Complete the required information below and deliver the completed application and fee to:
4. Proper planning is needed as expected time for work plan approval is 7 to 10 Business Days

County of Los Angeles
 Drinking Water Program
 5050 Commerce Drive, Baldwin Park, CA 91706

12100 Rivera Road	Whittier	90606	08/09/10	707-A1/B1
Site Address	City	Zip	Date	Thomas Guide - Page-Grid
Geologica Inc. c/o Charles Wechsler	303 La Jolla Drive, Newport Beach 92663	949-929-8884	cwechsler@geologica.net	
Owner / Applicant Name	Address / Zip	Phone No.	Email	
TestAmerica Drilling Corporation	1016 East Katella Avenue, Anaheim 92805	714-939-6850	Jake.hardwick@testamericainc.com	

Contractor's Name	Address / Zip	Phone No.	Email
CONTACT OFFICE		DEPARTMENT STAMP	
		REC DATE: RECEIPT # CHECK # AMT: \$	

*As of July 1, 1995 no permit will be required for Soil Borings inadvertently going to ground water as long as they are not intended to sample ground water. No Permit will be required for Vapor Extraction or Bio Vent Wells not extending into ground water. Since a permit is not required, there will not be any fees due for these projects. Permits are now required from the Health Department for groundwater injection wells.

08/10/10 XX59 2:01PM CHECK Ver. Q1206.00

820679

WELL PERMIT APPLICATION - NON PRODUCTION WELLS

DRINKING WATER PROGRAM - ENVIRONMENTAL HEALTH DIVISION
5050 COMMERCE DRIVE, BALDWIN PARK, CA 91706 TELE (626) 430-5420 FAX (626) 813-3016

DATE 08-09-10

<input type="checkbox"/> NEW WELL CONSTRUCTION	<input type="checkbox"/> RECONSTRUCTION OR RENOVATION	<input type="checkbox"/> DECOMMISSIONING	<input type="checkbox"/> OTHER:
<input checked="" type="checkbox"/> MONITORING	<input type="checkbox"/> CATHODIC	<input type="checkbox"/> INJECTION	<input type="checkbox"/> EXTRACTION
<input type="checkbox"/> HYDROPLUNCH		<input type="checkbox"/> C.P.T. (For Ground Water Sampling)	
		<input type="checkbox"/> OTHER:	

SITE ADDRESS		City Whittier	Zip Code 90606
Site Address	12100 Rivera Road	Thomas Guide Map Book Page/Grid	Number of Wells in Each Parcel
Nearest Intersection	Chetle Ave.	707-A1/B1	6

Total Depth of Well	Depth of Well Casing	Sanitary / Annular Sealing Material
35'	25'	Hydrated Bentonite
Depth of Sanitary / Annular Seal		Conductor Casing Seal
23'		Grout

OWNER INFORMATION	
Owner's Name	Telephone Number
Eastman Kodak Company (NPEC)	585-477-8184
Address	City Zip Code
1999 Lake Ave.	Rochester, NY 14650-2206

DRILLER INFORMATION		
Driller's Name	Telephone Number	C-57 License Number
TestAmerica Drilling Corporation	714-939-6850	819548
Address	City Zip Code	
1016 East Katella Avenue	Anaheim 92805	

WELL DRILLING/DECOMMISSIONING INFORMATION		
Well Depth	Method of	Depth and Number
<input type="checkbox"/> log/records	Well Assessment	of Perforations
Type and	Type of	Method of Upper Seal
Amount of Sealant	Perforator	Pressure Application

GEOLOGIC INFORMATION		
Company	City State Zip Code	
Geologica Inc.	CA 92663	
Address	Telephone Number	Fax Number
303 La Jolla Drive	949-929-8884	877-398-3288
Project Manager	Charles Wechsler	

ATTENTION: WORK PLAN MODIFICATIONS MAY BE REQUIRED IF WELL AND GEOLOGIC CONDITIONS ENCOUNTERED AT THE SITE INSPECTION ARE FOUND TO DIFFER FROM THE SCOPE OF WORK PRESENTED TO THIS DEPARTMENT.

I hereby agree to comply in every respect with all the regulations of the County Environmental Health Division and with all ordinances and laws of the County of Los Angeles and the State of California pertaining to well construction, reconstruction, and decommissioning data deemed necessary by the County Environmental Health Division Of Los Angeles County.

Signature of Applicant: Charles Wechsler **Printed Name:** Charles E Wechsler
THIS PERMIT IS NOT COMPLETE UNTIL ALL OF THE FOLLOWING REQUIREMENTS ARE SIGNED OFF BY THE DEPUTY HEALTH OFFICER. WELL CONSTRUCTION OR DECOMMISSIONING CANNOT BE INITIATED WITHOUT A WORK PLAN APPROVAL FROM THIS DEPARTMENT.

(DEPARTMENT USE ONLY) ****	
WORK PLAN APPROVAL	
Conditions:	REHS  <i>Quinn Rodriguez 08/10/10 Notify this office at 326-430-5398 or jrodriguez@ph.lacounty.gov before prior to the work being done.</i>
FINAL INSPECTION	
The permittee shall provide a copy of this permit to the appropriate department for inspection and enforcement.	
REHS DATE	

NOTICE

This well permit approval is limited to compliance with the California Well Standards and the Los Angeles County Code and does not grant any rights to construct, reconstruct, or decommission any well. The applicant is responsible for securing all other necessary permits.

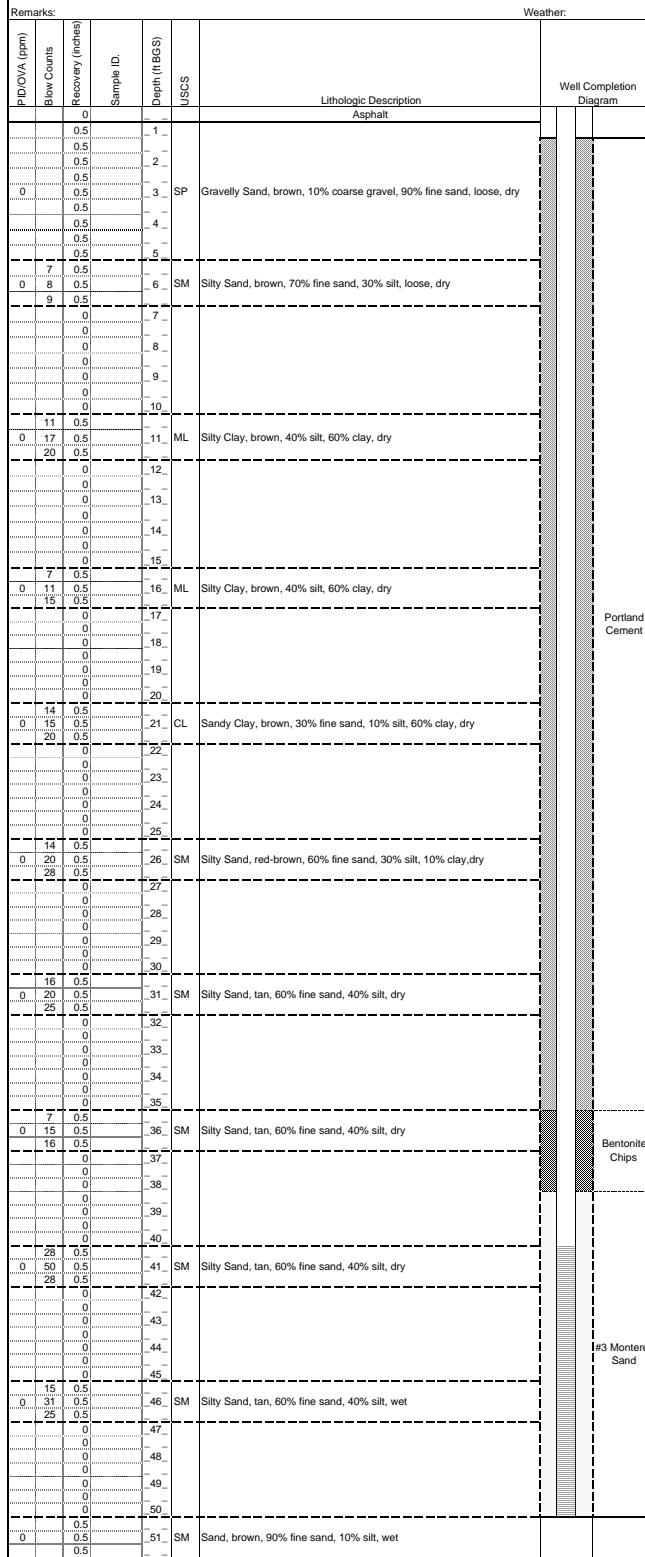
GEOLOGICA INC.
Boring Log
5 Third St, Suite 224
San Francisco, CA 94103

Well Number: SE-1

Page 1 of 1

Project Number: NPEC03:030
Project Name: Whittier Well Installation
Site Location: 12100 Rivera Rd, Whittier, CA 90606
Boring Location: Enclosed parking lot, southeast corner of site
Drilling Method: Hollow Stem Auger
Sampling Method: 18" split spoon
Boring Diameter: 8"
Logged by: GR
Drilling Contractor: TestAmerica Drilling Corporation

Date Started: 9/28/10
Date Completed: 9/29/10
Casing Type/Diameter: PVC 2"
Screen Type/Slot: 0.20 slotted from 40-50ft
Gravel/Sand Pack Type: #3 Monterey Sand 38-50ft
Grout Type/Quantity: Bentonite 38-35ft, Portland cement 35-1ft
Depth to Water: -50 ft
Elevation of Top of PVC Casing:
Casing Stickup:



Bottom of well at 50ft on 9/28/10

GEOLOGICA INC.
Boring Log
5 Third St, Suite 224
San Francisco, CA 94103

Well Number: E-1

Page 1 of 1

Project Number:	NPEC03-030	Date Started:	9/28/10
Project Name:	Whittier Well Installation	Date Completed:	9/28/10
Site Location:	12100 Rivera Rd, Whittier, CA 90606	Casing Type/Diameter:	PVC 2"
Boring Location:	Enclosed parking lot, east side of site	Screen Type/Slot:	0.20 slotted from 40-55ft
Drilling Method:	Hollow Stem Auger	Gravel/Sand Pack Type:	#3 Monterey Sand 38-55ft
Sampling Method:	18' split spoon	Grout Type/Quantity:	Bentonite 38-35ft, Portland cement 35-1ft
Boring Diameter:	8"	Depth to Water:	-50 ft
Logged by:	GR	Elevation of Top of PVC Casing:	
Drilling Contractor:	TestAmerica Drilling Corporation	Casing Stickup:	

Remarks:				Weather:	
PWD/VA (ipm)	Recovery (inches)	Sample ID.	Depth (ft BGS)	Lithologic Description	Well Completion Diagram
			0	Asphalt	
			0.5	-1	
			0.5	-	
			0.5	-2	
			0.5	-	
0	0.5	SP	0.5	-3	
			0.5	-	
			0.5	-4	
			0.5	-	
			0.5	-5	
	6		6	-	
0	15	SM	6	Silty Sand, brown, 70% fine sand, 30% silt, loose, dry	
21	0.5		7	-	
	0		8	-	
	0		9	-	
	0		10	-	
0	14	ML	11	Silty Clay, brown, 40% silt, 60% clay, dry	
17	0.5		12	-	
	0		13	-	
	0		14	-	
	0		15	-	
9	0.5		16	ML Silty Clay, brown, 30% fine sand, 60% silt, 10% clay, dry	
0	13	0.5	17	-	
17	0.5		18	-	
	0		19	-	
	0		20	-	
19	0.5	SM	21	Silty sand, brown, 60% fine sand, 40% silt, dry	
0	2	0.5	22	-	
2	0.5		23	-	
	0		24	-	
	0		25	-	
10	0.5		26	SM Silty Sand, brown, 60% fine sand, 40% silt, dry	
0	12	0.5	27	-	
15	0.5		28	-	
	0		29	-	
	0		30	-	
12	0.5		31	SM Silty Sand, tan, 60% fine sand, 40% silt, dry	
0	17	0.5	32	-	
25	0.5		33	-	
	0		34	-	
	0		35	-	
7	0.5		36	SM Silty Sand, tan, 60% fine sand, 40% silt, dry	
0	10	0.5	37	-	
15	0.5		38	-	
	0		39	-	
	0		40	-	
16	0.5	CL	41	Silty Clay, tan, 40% silt, 60% clay, dry	
0	32	0.5	42	-	
28	0.5		43	-	
	0		44	-	
	0		45	-	
16	0.5		46	CL Silty Clay, tan, 40% silt, 60% clay, dry	
0	23	0.5	47	-	
28	0.5		48	-	
	0		49	-	
	0		50	-	
14	0.5		51	SM Silty Sand, tan, 70% fine sand, 30% silt, damp	
0	16	0.5	52	-	
18	0.5		53	-	
	0		54	-	
	0		55	-	
0	0.5	SW	56	Sand, tan, 100% fine sand, wet	
0	0.5		57	-	

Bottom of well at 55ft on 9/28/2010

GEOLOGICA INC. Boring Log				Well Number: NE-1
5 Third St, Suite 224 San Francisco, CA 94103				Page 1 of 1
Project Number: NPEC03-030				Date Started: 9/29/10
Project Name: Whittier Well Installation				Date Completed: 9/29/10
Site Location: 12100 Rivera Rd, Whittier, CA 90606				Casing Type/Diameter: PVC 2"
Boring Location: Northeast side of site, near entrance and gate				Screen Type/Slot: 0.20 slotted from 40-55ft
Drilling Method: Hollow Stem Auger				Gravel/Sand Pack Type: #3 Monterey Sand 38-55ft
Sampling Method: 18' split spoon				Grout Type/Quantity: Bentonite 38-35ft, Portland cement 35-1ft
Boring Diameter: 8"				Depth to Water: -50 ft
Logged by: GR				Elevation of Top of PVC Casing:
Drilling Contractor: TestAmerica Drilling Corporation				Casing Stickup:
Remarks:				Weather:
Piezometer (ppm)	Recovery (inches)	Sample ID.	Depth (ft BGS)	Lithologic Description
Bow Counts			USGS	Well Completion Diagram
				Asphalt
	0		-	
	0.5		-1	
	0.5		-	
	0.5		-2	
	0.5		-	
0	0.5		-3	SP Gravelly Sand, brown, 5% med-coarse gravel, 95% fine-med sand, loose
	0.5		-	
	0.5		-4	
	0.5		-	
	0.5		-5	
	0.5		-	
	0.5		-6	SW Sand, brown, 100% fine sand, loose, dry
	0.5		-	
	0		-7	
	0		-	
	0		-8	
	0		-	
	0		-9	
	0		-	
	0		-10	
	11		-	
0	15	0.5	-11	SC Clayey sands, brown, 2% med-coarse gravels, 60% sand, 38% clay, dry
	24	0.5	-	
	0		-12	
	0		-	
	0		-13	
	0		-	
	0		-14	
	0		-	
	0		-15	
	14	0.5	-	
0	20	0.5	-16	SC Clayey Sands, brown, 60% fine sand, 40% clay, dry
	25	0.5	-	
	0		-17	
	0		-	
	0		-18	
	0		-	
	0		-19	
	0		-	
	0		-20	
	12	0.5	-	
0	22	0.5	-21	CL Silty clays, brown, 40% silt, 60% clays, dry
	24	0.5	-	
	0		-22	
	0		-	
	0		-23	
	0		-	
	0		-24	
	0		-	
	0		-25	
	14	0.5	-	
0	21	0.5	-26	CL Silty Clay, brown, 60% clay, 40% silt, dry
	29	0.5	-	
	0		-27	
	0		-	
	0		-28	
	0		-	
	0		-29	
	0		-	
	0		-30	
	12	0.5	-	
0	18	0.5	-31	CL Silty Clay, brown, 60% clay, 40% silt, dry
	20	0.5	-	
	0		-32	
	0		-	
	0		-33	
	0		-	
	0		-34	
	0		-	
	0		-35	
	18	0.5	-	
0	25	0.5	-36	SM Silty Sand, tan, 70% fine sand, 30% silt, dry
	24	0.5	-	
	0		-37	
	0		-	
	0		-38	
	0		-	
	0		-39	
	0		-	
	0		-40	
	0.5	-		
0	0.5	-41	SP	Sand, tan, 10% fine gravels, 90% fine-med sand, dry
	0	-		
	0	-42	-	
	0	-		
	0	-43	-	
	0	-		
	0	-44	-	
	0	-		
	0	-45	-	
	0.5	-		
0	0.5	-46	SP	Sand, brown, 5% med gravel, 95% med-coarse sand, wet
	0	-		
	0	-47	-	
	0	-		
	0	-48	-	
	0	-		
	0	-49	-	
	0	-		
	0	-50	-	
	1.27	0.5	-	
0	20	0.5	-51	SP Sand, brown, 2% coarse gravel, 98% med-coarse sand, wet
	50	0.5	-	
	0	-52	-	
	0	-		
	0	-53	-	
	0	-		
	0	-54	-	
	0	-		
	0	-55	-	
	0.5	-		
0	0.5	-56	SM	Silty Sand, brown, 80% fine sand, 20% silt, damp
	0	-		

Bottom of well at 55ft on 9/29/2010

GEOLOGICA INC. Boring Log				Well Number: NW-1
5 Third St, Suite 224 San Francisco, CA 94103				Page 1 of 1
Project Number: NPEC03-030				Date Started: 9/29/10
Project Name: Whittier Well Installation				Date Completed: 9/29/10
Site Location: 12100 Rivera Rd, Whittier, CA 90606				Casing Type/Diameter: PVC 2"
Boring Location: Northwest side of site, in parking lot				Screen Type/Slot: 0.20 slotted from 40-55ft
Drilling Method: Hollow Stem Auger				Gravel/Sand Pack Type: #3 Monterey Sand 38-55ft
Sampling Method: 18' split spoon				Grout Type/Quantity: Bentonite 38-35ft, Portland cement 35-1ft
Boring Diameter: 8"				Depth to Water: -50 ft
Logged by: GR				Elevation of Top of PVC Casing:
Drilling Contractor: TestAmerica Drilling Corporation				Casing Stickup:
Remarks: Weather:				
PVD/VA (gpm)	Recovery (inches)	Sample ID.	Depth (ft BGS)	Lithologic Description
Bow Counts			USGS	Well Completion Diagram
				Asphalt
			0	
			0.5	-1
			0.5	-
			0.5	-2
			0.5	-
0	0.5	SP	0.5	Gravelly Sand, brown, 5% med-coarse gravel, 95% fine-med sand, loose
			0.5	-
			0.5	-3
			0.5	-
			0.5	-4
			0.5	-
			0.5	-5
	1		0.5	-
0	0.5		0.5	-6
8	0.5		0.5	SM Silty Sand, brown, 95% fine sand, 5% silt, loose, dry
15	0.5		0	-
			0	-7
			0	-
			0	-8
			0	-
			0	-9
			0	-
			0	-10
	5	0.5	0	-
0	5	CL	11	Silty Clay, brown, 30% silt, 70% clay, dry
	0.5		11	-
	0		12	-
	0		13	-
	0		14	-
	0		15	-
	8	0.5	0	-
0	15	CL	16	Silty Clay, brown, 30% silt, 70% clay, dry
15	0.5		16	-
0	15	0.5	17	-
	0		17	-
	0		18	-
	0		19	-
	0		20	-
	15	0.5	0	-
0	15	ML	21	Silty clays, brown, 20% fine-med sand, 20% silt, 60% clays, dry
22	0.5		21	-
1	0		22	-
	0		23	-
	0		24	-
	0		25	-
	17	0.5	0	-
0	26	0.5	26	ML Silty Clay, brown, 10% fine sand, 60% clay, 30% silt, dry
28	0.5		26	-
	0		27	-
	0		28	-
	0		29	-
	0		30	-
	16	0.5	0	-
0	23	0.5	31	SM Silty Sand, brown, 70% fine sand, 30% silt, dry
24	0.5		31	-
	0		32	-
	0		33	-
	0		34	-
	0		35	-
	7	0.5	0	-
0	9	0.5	36	CL Silty Clay, tan, 10% fine sand, 30% silt, 60% clay, dry
15	0.5		36	-
	0		37	-
	0		38	-
	0		39	-
	0		40	-
	0.5	0	41	SW Sand, tan, 100% fine sand, dry
0	0.5		41	-
	0		42	-
	0		43	-
	0		44	-
	0		45	-
	22	0.5	0	-
0	50	0.5	46	SW Sand, brown, 1% coarse gravel, 99% med sand, wet
	0		46	-
	0		47	-
	0		48	-
	0		49	-
	0		50	-
	16	0.5	0	-
0	27	0.5	51	SP Sand, brown, 1% coarse gravel, 95% fine-med sand, 4% clay, wet
33	0.5		51	-
	0		52	-
	0		53	-
	0		54	-
	0		55	-
	0.5	0	56	SM Gravelly Sand, brown, 25% med-coarse gravel, 75% med-coarse sand, wet
0	0.5		56	-
	0.5	0	56	-

Bottom of well at 55ft on 9/29/2010

GEOLOGICA INC.
Boring Log
5 Third St, Suite 224
San Francisco, CA 94103

Well Number: W-1

Page 1 of 1

Project Number:	NPEC03-030	Date Started:	9/30/10
Project Name:	Whittier Well Installation	Date Completed:	9/30/10
Site Location:	12100 Rivera Rd, Whittier, CA 90606	Casing Type/Diameter:	PVC 2"
Boring Location:	West side of site, in parking lot	Screen Type/Slot:	40-55ft slotted from 40-55ft
Drilling Method:	Hollow Stem Auger	Gravel/Sand Pack Type:	#3 Monterey Sand 38-55ft
Sampling Method:	18' split spoon	Grout Type/Quantity:	Bentonite 38-35ft, Portland cement 35-1ft
Boring Diameter:	8"	Depth to Water:	-50 ft
Logged by:	GR	Elevation of Top of PVC Casing:	
Drilling Contractor:	TestAmerica Drilling Corporation	Casing Stickup:	

Remarks:			Weather:		
PIID/VA (ppm)	Recovery (inches)	Sample ID	Depth (ft BGS)	Lithologic Description	Well Completion Diagram
			0	Asphalt	
			0.5	-1	
			0.5	-	
			0.5	-2	
			0.5	-	
			0.5	-3	
0	0.5	SP	0.5	Gravelly Sand, brown, 5% med-gravel, 95% fine-med sand, loose, dry	
			0.5	-	
			0.5	-4	
			0.5	-5	
	10	SM	0.5	Sand, brown, 95% fine sand, 5% silt, loose, dry	
0	13	SM	0.5	-6	
12	0.5		0.5	-7	
	0		0	-8	
	0		0	-9	
	0		0	-10	
5	0.5	CL	0.5	Silty Clay, brown, 30% silt, 70% clay, dry	
0	7	CL	0.5	-11	
12	0.5		0	-12	
	0		0	-13	
	0		0	-14	
	0		0	-15	
10	0.5		0.5	-16	
0	16	CL	0.5	Silty Clay, brown, 40% silt, 60% clay, dry	
25	0.5		0	-17	
	0		0	-18	
	0		0	-19	
	0		0	-20	
11	0.5	ML	0.5	Sandy clays, brown, 1% med-gravel, 20% fine sand, 19% silt, 60% clay, dry	
0	18	ML	0.5	-21	
25	0.5		0	-22	
	0		0	-23	
	0		0	-24	
	0		0	-25	
13	0.5		0.5	-26	
0	16	ML	0.5	Silty Clay, brown, 60% clay, 40% silt, dry	
24	0.5		0	-27	
	0		0	-28	
	0		0	-29	
	0		0	-30	
16	0.5		0.5	-31	
0	21	SM	0.5	Silty Sand, brown, 60% fine sand, 30% silt, 10% clay, damp	
28	0.5		0	-32	
	0		0	-33	
	0		0	-34	
	0		0	-35	
7	0.5		0.5	-36	
0	12	CL	0.5	Silty Clay, tan, 10% fine sand, 30% silt, 60% clay, damp	
22	0.5		0	-37	
	0		0	-38	
	0		0	-39	
	0		0	-40	
31	0.5	SP	0.5	-41	
0	50	SP	0	Sand, tan, 95% fine-med sand, 5% clay, damp	
	0		0	-42	
	0		0	-43	
	0		0	-44	
	0		0	-45	
0	0.5	SP	0.5	-46	
	0.5	SP	0.5	Sand, tan, 1% coarse gravel, 99% med-coarse sand, wet	
	0		0	-47	
	0		0	-48	
	0		0	-49	
	0		0	-50	
0	0.5	SM	0.5	-51	
	0.5	SM	0.5	Silty Sand, tan, 3% med-coarse gravel, 67% fine-med sand, 25% silt, 5% clay, wet	
	0		0	-52	
	0		0	-53	
	0		0	-54	
	0		0	-55	
0	0.5	SM	0.5	-56	
	0.5	SM	0.5	Silty Sand, tan, 60% fine-med sand, 40% silt, wet	

Bottom of well at 55ft on 9/30/2010

GEOLOGICA INC. Boring Log				Well Number: SW-1
5 Third St, Suite 224 San Francisco, CA 94103				Page 1 of 1
Project Number: NPEC03-030				Date Started: 10/1/10
Project Name: Whittier Well Installation				Date Completed: 10/1/10
Site Location: 12100 Rivera Rd, Whittier, CA 90606				Casing Type/Diameter: PVC 2"
Boring Location: southwest side of site, near the ramp/overhang				Screen Type/Slot: 0.20 slotted from 40-55ft
Drilling Method: Hollow Stem Auger				Gravel/Sand Pack Type: #3 Monterey Sand 38-55ft
Sampling Method: 18' split spoon				Grout Type/Quantity: Bentonite 38-35ft, Portland cement 35-1ft
Boring Diameter: 8"				Depth to Water: -50 ft
Logged by: GR				Elevation of Top of PVC Casing:
Drilling Contractor: TestAmerica Drilling Corporation				Casing Stickup:
Remarks:				Weather:
PVD/VA (gpm)	Recovery (inches)	Sample ID.	Depth (ft BGS)	Lithologic Description
Bow Counts			USGS	Well Completion Diagram
				Asphalt
	0		-	
	0.5		-1	
	0.5		-	
	0.5		-2	
	0.5		-	
0	0.5		-3	SP Gravelly Sand, brown, 2% med-coarse gravel, 98% fine-med sand, loose
	0.5		-	
	0.5		-4	
	0.5		-	
	0.5		-5	
	1		-	
	7		-	
0	10		-6	SW Sand, brown, 100% fine sand, loose, dry
	12		-	
	0		-7	
	0		-	
	0		-8	
	0		-	
	0		-9	
	0		-	
	0		-10	
	0.5		-	
0	4		-11	CL Silty Clay, brown, 10% fine sand, 30% silt, 60% clay, dry
	6		-	
	0		-12	
	0		-	
	0		-13	
	0		-	
	0		-14	
	0		-	
	0		-15	
	9		-	
0	15		-16	CL Silty Clay, brown, 40% silt, 60% clay, dry
	20		-	
	0		-17	
	0		-	
	0		-18	
	0		-	
	0		-19	
	0		-	
	0		-20	
	14		-	
0	15		-21	ML Sandy clays, brown, 30% fine sand, 10% silt, 60% clay, dry
	16		-	
	0		-22	
	0		-	
	0		-23	
	0		-	
	0		-24	
	0		-	
	0		-25	
	12		-	
0	24		-26	SM Silty Sand, brown, 50% fine sand, 40% silt, 10% clay, dry
	32		-	
	0		-27	
	0		-	
	0		-28	
	0		-	
	0		-29	
	0		-	
	0		-30	
	13		-	
0	16		-31	SM Silty Sand, brown, 60% fine sand, 30% silt, 10% clay, damp
	19		-	
	0		-32	
	0		-	
	0		-33	
	0		-	
	0		-34	
	0		-	
	0		-35	
	16		-	
0	26		-36	SW Sand, brown, 95% fine sand, 5% silt, dry
	31		-	
	0		-37	
	0		-	
	0		-38	
	0		-	
	0		-39	
	0		-	
	0		-40	
	19		-	
0	18		-41	SW Sand, tan, 95% fine sand, 5% silt, damp
	19		-	
	0		-42	
	0		-	
	0		-43	
	0		-	
	0		-44	
	0		-	
	0		-45	
	13		-	
0	15		-46	SW Sand, tan, 97% fine sand, 3% silt, wet
	0		-	
	0		-47	
	0		-	
	0		-48	
	0		-	
	0		-49	
	0		-	
	0		-50	
	24		-	
0	50		-51	SW Sand, brown, 100% fine-med sand, wet
	0		-	
	0		-52	
	0		-	
	0		-53	
	0		-	
	0		-54	
	0		-	
	0		-55	
	15		-	
0	10		-56	SW Sand, brown, 100% fine-med sand, wet
	0		-	
	0		-	

Bottom of well at 55ft on 10/1/2010



Development / Purge Record

Date: 10-5-10 Project # _____ Site: FASTMAN KODAK
Well I.D. # NE-1 Water Level T.O.C. 43.30 Total Depth 53.0 ^{BEFORE} _{AFTER}
Well Dia. 2" Water Column Height 11.1 Casing Volume 1.8

Comments:

*T.O.C. = Top Of Casing

Volume: Gal. per linear foot

$$2'' = 0.17 \quad 6'' = 1.5$$

$$3'' \equiv 0.38 \quad 8'' \equiv 2.51$$

$$4'' = 0.66$$

Date Collected by: _____

Test America

DRILLING CORPORATION

Development / Purge Record

Date: 10-5-10 Project #: _____ Site: EASTMAN KODAK
Well I.D. # MW#W-1 Water Level T.O.C. 42.50 Total Depth 50.20 BEFORE 53.98 AFTER
Well Dia. 2 " Water Column Height 11.46 Casing Volume 1.9

Time	Flow Rate	Gallons Purged	Temperature	Conductivity	pH	Turbidity	DO	Salinity	Other

Comments:

WELL SLOW RECHARGE BASE DRY

*T.O.C. = Top Of Casing

Volume: Gal. per linear foot

2" = 0.17 6" = 1.5

3" = 0.38 8" = 2.51

4" = 0.66

Date Collected by: _____

TestAmerica

DRILLING CORPORATION

Development / Purge Record

Date: 9-30-10 Project # _____ Site: EASTMAN KODAK Comp
 Well I.D. # SE-1 Water Level T.O.C. 43.94 Total Depth 44.98 BEFORE 49.50 AFTER
 Well Dia. 2" Water Column Height 5.56 Casing Volume 0.9

Time	Flow Rate	Gallons Purged	Temperature	Conductivity	pH	Turbidity	DO	Salinity	Other
	BAIL	20	C	PPM					
9:30 AM	0.2 GPM	21	29.0	432	6.99	301	NA	NA	LT BRN
		22	28.1	402	7.17	166	//	/"	/"
		24	28.2	402	7.17	77.9	//	/"	/"

Comments:

END PURGE

*T.O.C. = Top Of Casing

Volume: Gal. per linear foot

2" = 0.17 6" = 1.5

3" = 0.38 8" = 2.51

4" = 0.66

Date Collected by: _____

TestAmerica DRILLING CORPORATION

Development / Purge Record

Date: 9-30-10 Project # _____ Site: Eastman Kodak Corp.
Wel I.D. # E-1 Water Level T.O.C. 43.91 Total Depth 47.85 ^{Before} 54.35
Well Dia. 2" Water Column Height 10.44 Casing Volume 1.7

Comments:

*T.O.C. = Top Of Casing

Volume: Gal. per linear foot

$$2'' = 0.17 \quad 6'' = 1.5$$

$$3'' = 0.38 \quad 8'' = 2.51$$

$$4'' = 0.66$$

Date Collected by: _____

TestAmerica DRILLING CORPORATION

Development / Purge Record

Date: 10-1-10 Project # _____ Site: EASTMAN TOOTH COMP
Wel I.D. #: NE-1 Water Level T.O.C. 45-15 Total Depth 52.67 54.64
Well Dia. 2" Water Column Height 9.49 Casing Volume 1.6

Comments:

*T.O.C. = Top Of Casing

Volume: Gal. per linear foot
2" = 0.17 6" = 1.5
3" = 0.38 8" = 2.51
4" = 0.66

Date Collected by: _____



Development / Purge Record

Date: 10-1-10 Project # _____ Site: EASTMAN KODAK COMP
Wel I.D. # N-W-1 Water Level T.O.C. 48.59 Total Depth 53.71 53.74
Well Dia. 2" Water Column Height 10.15 Casing Volume 1.7

Comments:

*T.O.C. = Top Of Casing

Volume: Gal. per linear foot
2" = 0.17 6" = 1.5
3" = 0.38 8" = 2.51
4" = 0.66

Date Collected by:

Appendix C

Former Western Zone Warehouse Analytical Laboratory Report

LABORATORY REPORT

Prepared For: Geologica
303 La Jolla Drive
Newport Beach, CA 92663
Attention: Charles Wechsler

Project: Whittier GW Investigation

Sampled: 10/11/10
Received: 10/12/10
Issued: 11/09/10 12:51

NELAP #01108CA California ELAP#2706 CSDLAC #10256 AZ #AZ0671 NV #CA01531

The results listed within this Laboratory Report pertain only to the samples tested in the laboratory. The analyses contained in this report were performed in accordance with the applicable certifications as noted. All soil samples are reported on a wet weight basis unless otherwise noted in the report. This Laboratory Report is confidential and is intended for the sole use of TestAmerica and its client. This report shall not be reproduced, except in full, without written permission from TestAmerica. The Chain(s) of Custody, 2 pages, are included and are an integral part of this report.
This entire report was reviewed and approved for release.

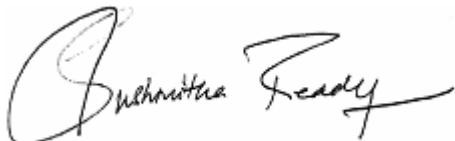
SAMPLE CROSS REFERENCE

SUBCONTRACTED: Refer to the last page for specific subcontract laboratory information included in this report.

ADDITIONAL
INFORMATION: The report is reissued with Nitrite and Acetic acids.

LABORATORY ID	CLIENT ID	MATRIX
ITJ1107-01	W-1	Water
ITJ1107-02	NW-1	Water
ITJ1107-03	SW-1	Water
ITJ1107-04	SE-1	Water
ITJ1107-05	E-1	Water
ITJ1107-06	NE-1	Water
ITJ1107-07	TRIP BLANKS	Water

Reviewed By:



TestAmerica Irvine

Sushmitha Reddy
Project Manager

Geologica
303 La Jolla Drive
Newport Beach, CA 92663
Attention: Charles Wechsler

Project ID: Whittier GW Investigation
Report Number: ITJ1107

Sampled: 10/11/10
Received: 10/12/10

EXTRACTABLE FUEL HYDROCARBONS (EPA 3510C/EPA 8015B)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Date Qualifiers
Sample ID: ITJ1107-01 (W-1 - Water)									
Reporting Units: mg/l									
EFH (C13 - C22)	EPA 8015B	10J1687	0.094	0.47	ND	0.943	10/15/10	10/15/10	
EFH (C23 - C32)	EPA 8015B	10J1687	0.094	0.47	ND	0.943	10/15/10	10/15/10	
EFH (C33 - C40)	EPA 8015B	10J1687	0.094	0.47	ND	0.943	10/15/10	10/15/10	
EFH (C10 - C28)	EPA 8015B	10J1687	0.094	0.47	ND	0.943	10/15/10	10/15/10	
<i>Surrogate: n-Octacosane (45-120%)</i>									
<i>97 %</i>									
Sample ID: ITJ1107-02 (NW-1 - Water)									
Reporting Units: mg/l									
EFH (C13 - C22)	EPA 8015B	10J1687	0.095	0.48	ND	0.952	10/15/10	10/15/10	
EFH (C23 - C32)	EPA 8015B	10J1687	0.095	0.48	ND	0.952	10/15/10	10/15/10	
EFH (C33 - C40)	EPA 8015B	10J1687	0.095	0.48	ND	0.952	10/15/10	10/15/10	
EFH (C10 - C28)	EPA 8015B	10J1687	0.095	0.48	ND	0.952	10/15/10	10/15/10	
<i>Surrogate: n-Octacosane (45-120%)</i>									
<i>97 %</i>									
Sample ID: ITJ1107-03 (SW-1 - Water)									
Reporting Units: mg/l									
EFH (C13 - C22)	EPA 8015B	10J1687	0.094	0.47	ND	0.943	10/15/10	10/15/10	
EFH (C23 - C32)	EPA 8015B	10J1687	0.094	0.47	ND	0.943	10/15/10	10/15/10	
EFH (C33 - C40)	EPA 8015B	10J1687	0.094	0.47	ND	0.943	10/15/10	10/15/10	
EFH (C10 - C28)	EPA 8015B	10J1687	0.094	0.47	ND	0.943	10/15/10	10/15/10	
<i>Surrogate: n-Octacosane (45-120%)</i>									
<i>96 %</i>									
Sample ID: ITJ1107-04 (SE-1 - Water)									
Reporting Units: mg/l									
EFH (C13 - C22)	EPA 8015B	10J1687	0.096	0.48	ND	0.962	10/15/10	10/15/10	
EFH (C23 - C32)	EPA 8015B	10J1687	0.096	0.48	ND	0.962	10/15/10	10/15/10	
EFH (C33 - C40)	EPA 8015B	10J1687	0.096	0.48	ND	0.962	10/15/10	10/15/10	
EFH (C10 - C28)	EPA 8015B	10J1687	0.096	0.48	ND	0.962	10/15/10	10/15/10	
<i>Surrogate: n-Octacosane (45-120%)</i>									
<i>87 %</i>									
Sample ID: ITJ1107-05 (E-1 - Water)									
Reporting Units: mg/l									
EFH (C13 - C22)	EPA 8015B	10J1687	0.096	0.48	ND	0.962	10/15/10	10/15/10	
EFH (C23 - C32)	EPA 8015B	10J1687	0.096	0.48	ND	0.962	10/15/10	10/15/10	
EFH (C33 - C40)	EPA 8015B	10J1687	0.096	0.48	ND	0.962	10/15/10	10/15/10	
EFH (C10 - C28)	EPA 8015B	10J1687	0.096	0.48	ND	0.962	10/15/10	10/15/10	
<i>Surrogate: n-Octacosane (45-120%)</i>									
<i>92 %</i>									

TestAmerica Irvine

Sushmitha Reddy
Project Manager

Geologica
303 La Jolla Drive
Newport Beach, CA 92663
Attention: Charles Wechsler

Project ID: Whittier GW Investigation
Report Number: ITJ1107

Sampled: 10/11/10
Received: 10/12/10

EXTRACTABLE FUEL HYDROCARBONS (EPA 3510C/EPA 8015B)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITJ1107-06 (NE-1 - Water)									
Reporting Units: mg/l									
EFH (C13 - C22)	EPA 8015B	10J1687	0.094	0.47	ND	0.943	10/15/10	10/15/10	
EFH (C23 - C32)	EPA 8015B	10J1687	0.094	0.47	ND	0.943	10/15/10	10/15/10	
EFH (C33 - C40)	EPA 8015B	10J1687	0.094	0.47	ND	0.943	10/15/10	10/15/10	
EFH (C10 - C28)	EPA 8015B	10J1687	0.094	0.47	ND	0.943	10/15/10	10/15/10	
<i>Surrogate: n-Octacosane (45-120%)</i>									
93 %									

TestAmerica Irvine

Sushmitha Reddy
Project Manager

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ITJ1107 <Page 3 of 60>

Geologica
303 La Jolla Drive
Newport Beach, CA 92663
Attention: Charles Wechsler

Project ID: Whittier GW Investigation
Report Number: ITJ1107

Sampled: 10/11/10
Received: 10/12/10

VOLATILE FUEL HYDROCARBONS BY GC/MS (CA LUFT)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITJ1107-01 (W-1 - Water)									
Reporting Units: ug/l									
Volatile Fuel Hydrocarbons (C4-C12)	TPH by GC/MS	10J2770	30	100	150	1	10/23/10	10/23/10	
Surrogate: Dibromofluoromethane (80-120%)					96 %				
Surrogate: Toluene-d8 (80-120%)					99 %				
Surrogate: 4-Bromofluorobenzene (80-120%)					90 %				
Sample ID: ITJ1107-02 (NW-1 - Water)									
Reporting Units: ug/l									
Volatile Fuel Hydrocarbons (C4-C12)	TPH by GC/MS	10J2882	30	100	410	1	10/25/10	10/25/10	QP1
Surrogate: Dibromofluoromethane (80-120%)					94 %				
Surrogate: Toluene-d8 (80-120%)					97 %				
Surrogate: 4-Bromofluorobenzene (80-120%)					87 %				
Sample ID: ITJ1107-03 (SW-1 - Water)									
Reporting Units: ug/l									
Volatile Fuel Hydrocarbons (C4-C12)	TPH by GC/MS	10J2882	30	100	430	1	10/25/10	10/25/10	QP1
Surrogate: Dibromofluoromethane (80-120%)					96 %				
Surrogate: Toluene-d8 (80-120%)					96 %				
Surrogate: 4-Bromofluorobenzene (80-120%)					87 %				
Sample ID: ITJ1107-04 (SE-1 - Water)									
Reporting Units: ug/l									
Volatile Fuel Hydrocarbons (C4-C12)	TPH by GC/MS	10J2770	30	100	50	1	10/23/10	10/23/10	J
Surrogate: Dibromofluoromethane (80-120%)					96 %				
Surrogate: Toluene-d8 (80-120%)					99 %				
Surrogate: 4-Bromofluorobenzene (80-120%)					87 %				
Sample ID: ITJ1107-05 (E-1 - Water)									
Reporting Units: ug/l									
Volatile Fuel Hydrocarbons (C4-C12)	TPH by GC/MS	10J2844	30	100	ND	1	10/24/10	10/24/10	
Surrogate: Dibromofluoromethane (80-120%)					97 %				
Surrogate: Toluene-d8 (80-120%)					99 %				
Surrogate: 4-Bromofluorobenzene (80-120%)					88 %				
Sample ID: ITJ1107-06 (NE-1 - Water)									
Reporting Units: ug/l									
Volatile Fuel Hydrocarbons (C4-C12)	TPH by GC/MS	10J2882	30	100	440	1	10/25/10	10/25/10	QP1
Surrogate: Dibromofluoromethane (80-120%)					95 %				
Surrogate: Toluene-d8 (80-120%)					97 %				

TestAmerica Irvine

Sushmitha Reddy
Project Manager

Geologica
303 La Jolla Drive
Newport Beach, CA 92663
Attention: Charles Wechsler

Project ID: Whittier GW Investigation
Report Number: ITJ1107
Sampled: 10/11/10
Received: 10/12/10

VOLATILE FUEL HYDROCARBONS BY GC/MS (CA LUFT)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
---------	--------	-------	-----------	-----------------	---------------	-----------------	----------------	---------------	-----------------

Sample ID: ITJ1107-06 (NE-1 - Water) - cont.

Reporting Units: ug/l

Surrogate: 4-Bromofluorobenzene (80-120%) 88 %

TestAmerica Irvine

Sushmitha Reddy
Project Manager

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ITJ1107 <Page 5 of 60>

Geologica
303 La Jolla Drive
Newport Beach, CA 92663
Attention: Charles Wechsler

Project ID: Whittier GW Investigation
Report Number: ITJ1107

Sampled: 10/11/10
Received: 10/12/10

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Date Qualifiers
Sample ID: ITJ1107-01 (W-1 - Water)									
Reporting Units: ug/l									
Acetone	EPA 8260B	10J2770	4.5	10	ND	1	10/23/10	10/23/10	
Benzene	EPA 8260B	10J2770	0.28	0.50	ND	1	10/23/10	10/23/10	
Bromochloromethane	EPA 8260B	10J2770	0.40	0.50	ND	1	10/23/10	10/23/10	
Bromodichloromethane	EPA 8260B	10J2770	0.30	0.50	ND	1	10/23/10	10/23/10	
Bromoform	EPA 8260B	10J2770	0.40	0.50	ND	1	10/23/10	10/23/10	
Bromomethane	EPA 8260B	10J2770	0.42	1.0	ND	1	10/23/10	10/23/10	
2-Butanone (MEK)	EPA 8260B	10J2770	4.7	5.0	ND	1	10/23/10	10/23/10	
Carbon Disulfide	EPA 8260B	10J2770	0.48	1.0	ND	1	10/23/10	10/23/10	
Carbon tetrachloride	EPA 8260B	10J2770	0.28	0.50	ND	1	10/23/10	10/23/10	
Chlorobenzene	EPA 8260B	10J2770	0.36	0.50	ND	1	10/23/10	10/23/10	
Chloroethane	EPA 8260B	10J2770	0.40	0.50	ND	1	10/23/10	10/23/10	
Chloroform	EPA 8260B	10J2770	0.33	0.50	9.2	1	10/23/10	10/23/10	
Chloromethane	EPA 8260B	10J2770	0.40	0.50	ND	1	10/23/10	10/23/10	
1,2-Dibromo-3-chloropropane	EPA 8260B	10J2770	0.97	1.0	ND	1	10/23/10	10/23/10	
Dibromochloromethane	EPA 8260B	10J2770	0.40	0.50	ND	1	10/23/10	10/23/10	
1,2-Dibromoethane (EDB)	EPA 8260B	10J2770	0.40	1.0	ND	1	10/23/10	10/23/10	
1,2-Dichlorobenzene	EPA 8260B	10J2770	0.32	0.50	ND	1	10/23/10	10/23/10	
1,3-Dichlorobenzene	EPA 8260B	10J2770	0.35	0.50	ND	1	10/23/10	10/23/10	
1,4-Dichlorobenzene	EPA 8260B	10J2770	0.37	0.50	ND	1	10/23/10	10/23/10	
Dichlorodifluoromethane	EPA 8260B	10J2770	0.26	2.0	ND	1	10/23/10	10/23/10	
1,1-Dichloroethane	EPA 8260B	10J2770	0.40	0.50	ND	1	10/23/10	10/23/10	
1,2-Dichloroethane	EPA 8260B	10J2770	0.28	0.50	2.1	1	10/23/10	10/23/10	
1,1-Dichloroethene	EPA 8260B	10J2770	0.42	0.50	50	1	10/23/10	10/23/10	
cis-1,2-Dichloroethene	EPA 8260B	10J2770	0.32	0.50	0.66	1	10/23/10	10/23/10	
trans-1,2-Dichloroethene	EPA 8260B	10J2770	0.30	0.50	ND	1	10/23/10	10/23/10	
1,2-Dichloropropane	EPA 8260B	10J2770	0.35	0.50	ND	1	10/23/10	10/23/10	
cis-1,3-Dichloropropene	EPA 8260B	10J2770	0.22	0.50	ND	1	10/23/10	10/23/10	
trans-1,3-Dichloropropene	EPA 8260B	10J2770	0.32	0.50	ND	1	10/23/10	10/23/10	
Ethylbenzene	EPA 8260B	10J2770	0.25	0.50	ND	1	10/23/10	10/23/10	
2-Hexanone	EPA 8260B	10J2770	2.6	5.0	ND	1	10/23/10	10/23/10	
Isopropylbenzene	EPA 8260B	10J2770	0.25	0.50	ND	1	10/23/10	10/23/10	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	10J2770	3.5	5.0	ND	1	10/23/10	10/23/10	
Cyclohexane	EPA 8260B	10J2770	0.40	1.0	ND	1	10/23/10	10/23/10	
Methylene chloride	EPA 8260B	10J2770	0.95	1.0	ND	1	10/23/10	10/23/10	
Styrene	EPA 8260B	10J2770	0.20	0.50	ND	1	10/23/10	10/23/10	
1,1,2,2-Tetrachloroethane	EPA 8260B	10J2770	0.30	0.50	ND	1	10/23/10	10/23/10	
Tetrachloroethene	EPA 8260B	10J2770	0.32	0.50	61	1	10/23/10	10/23/10	
Toluene	EPA 8260B	10J2770	0.36	0.50	ND	1	10/23/10	10/23/10	
1,2,3-Trichlorobenzene	EPA 8260B	10J2770	0.30	0.50	ND	1	10/23/10	10/23/10	
1,2,4-Trichlorobenzene	EPA 8260B	10J2770	0.48	0.50	ND	1	10/23/10	10/23/10	
1,1,1-Trichloroethane	EPA 8260B	10J2770	0.30	0.50	ND	1	10/23/10	10/23/10	

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Sushmitha Reddy
Project Manager

Geologica
303 La Jolla Drive
Newport Beach, CA 92663
Attention: Charles Wechsler

Project ID: Whittier GW Investigation
Report Number: ITJ1107

Sampled: 10/11/10
Received: 10/12/10

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Date Qualifiers
Sample ID: ITJ1107-01 (W-1 - Water) - cont.									
Reporting Units: ug/l									
1,1,2-Trichloroethane	EPA 8260B	10J2770	0.30	0.50	ND	1	10/23/10	10/23/10	
Trichloroethene	EPA 8260B	10J2770	0.26	0.50	30	1	10/23/10	10/23/10	
Trichlorofluoromethane	EPA 8260B	10J2770	0.34	0.50	25	1	10/23/10	10/23/10	
Trichlorotrifluoroethane (Freon 113)	EPA 8260B	10J2770	0.50	2.0	56	1	10/23/10	10/23/10	
Vinyl chloride	EPA 8260B	10J2770	0.40	0.50	ND	1	10/23/10	10/23/10	
m,p-Xylenes	EPA 8260B	10J2770	0.60	1.0	ND	1	10/23/10	10/23/10	
o-Xylene	EPA 8260B	10J2770	0.30	1.0	ND	1	10/23/10	10/23/10	
Xylenes, Total	EPA 8260B	10J2770	0.90	1.0	ND	1	10/23/10	10/23/10	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	10J2770	0.32	0.50	0.42	1	10/23/10	10/23/10	J
Surrogate: 4-Bromofluorobenzene (80-120%)									
Surrogate: Dibromofluoromethane (80-120%)									
Surrogate: Toluene-d8 (80-120%)									

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Project Manager

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Attention: Charles Wechsler

Project ID: Whittier GW Investigation
Report Number: ITJ1107

Sampled: 10/11/10
Received: 10/12/10

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Date Qualifiers
Sample ID: ITJ1107-02 (NW-1 - Water)									
Reporting Units: ug/l									
Acetone	EPA 8260B	10J2882	4.5	10	ND	1	10/25/10	10/25/10	
Benzene	EPA 8260B	10J2882	0.28	0.50	ND	1	10/25/10	10/25/10	
Bromochloromethane	EPA 8260B	10J2882	0.40	0.50	ND	1	10/25/10	10/25/10	
Bromodichloromethane	EPA 8260B	10J2882	0.30	0.50	ND	1	10/25/10	10/25/10	
Bromoform	EPA 8260B	10J2882	0.40	0.50	ND	1	10/25/10	10/25/10	
Bromomethane	EPA 8260B	10J2882	0.42	1.0	ND	1	10/25/10	10/25/10	
2-Butanone (MEK)	EPA 8260B	10J2882	4.7	5.0	ND	1	10/25/10	10/25/10	
Carbon Disulfide	EPA 8260B	10J2882	0.48	1.0	ND	1	10/25/10	10/25/10	
Carbon tetrachloride	EPA 8260B	10J2882	0.28	0.50	ND	1	10/25/10	10/25/10	
Chlorobenzene	EPA 8260B	10J2882	0.36	0.50	ND	1	10/25/10	10/25/10	
Chloroethane	EPA 8260B	10J2882	0.40	0.50	ND	1	10/25/10	10/25/10	
Chloroform	EPA 8260B	10J2882	0.33	0.50	9.5	1	10/25/10	10/25/10	
Chloromethane	EPA 8260B	10J2882	0.40	0.50	ND	1	10/25/10	10/25/10	
1,2-Dibromo-3-chloropropane	EPA 8260B	10J2882	0.97	1.0	ND	1	10/25/10	10/25/10	
Dibromochloromethane	EPA 8260B	10J2882	0.40	0.50	ND	1	10/25/10	10/25/10	
1,2-Dibromoethane (EDB)	EPA 8260B	10J2882	0.40	1.0	ND	1	10/25/10	10/25/10	
1,2-Dichlorobenzene	EPA 8260B	10J2882	0.32	0.50	ND	1	10/25/10	10/25/10	
1,3-Dichlorobenzene	EPA 8260B	10J2882	0.35	0.50	ND	1	10/25/10	10/25/10	
1,4-Dichlorobenzene	EPA 8260B	10J2882	0.37	0.50	ND	1	10/25/10	10/25/10	
Dichlorodifluoromethane	EPA 8260B	10J2882	0.26	2.0	ND	1	10/25/10	10/25/10	
1,1-Dichloroethane	EPA 8260B	10J2882	0.40	0.50	ND	1	10/25/10	10/25/10	
1,2-Dichloroethane	EPA 8260B	10J2882	0.28	0.50	1.2	1	10/25/10	10/25/10	
1,1-Dichloroethene	EPA 8260B	10J2882	0.42	0.50	72	1	10/25/10	10/25/10	
cis-1,2-Dichloroethene	EPA 8260B	10J2882	0.32	0.50	9.9	1	10/25/10	10/25/10	
trans-1,2-Dichloroethene	EPA 8260B	10J2882	0.30	0.50	ND	1	10/25/10	10/25/10	
1,2-Dichloropropane	EPA 8260B	10J2882	0.35	0.50	ND	1	10/25/10	10/25/10	
cis-1,3-Dichloropropene	EPA 8260B	10J2882	0.22	0.50	ND	1	10/25/10	10/25/10	
trans-1,3-Dichloropropene	EPA 8260B	10J2882	0.32	0.50	ND	1	10/25/10	10/25/10	
Ethylbenzene	EPA 8260B	10J2882	0.25	0.50	ND	1	10/25/10	10/25/10	
2-Hexanone	EPA 8260B	10J2882	2.6	5.0	ND	1	10/25/10	10/25/10	
Isopropylbenzene	EPA 8260B	10J2882	0.25	0.50	ND	1	10/25/10	10/25/10	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	10J2882	3.5	5.0	ND	1	10/25/10	10/25/10	
Cyclohexane	EPA 8260B	10J2882	0.40	1.0	ND	1	10/25/10	10/25/10	
Methylene chloride	EPA 8260B	10J2882	0.95	1.0	ND	1	10/25/10	10/25/10	
Styrene	EPA 8260B	10J2882	0.20	0.50	ND	1	10/25/10	10/25/10	
1,1,2,2-Tetrachloroethane	EPA 8260B	10J2882	0.30	0.50	ND	1	10/25/10	10/25/10	
Tetrachloroethene	EPA 8260B	10J2882	0.32	0.50	89	1	10/25/10	10/25/10	
Toluene	EPA 8260B	10J2882	0.36	0.50	ND	1	10/25/10	10/25/10	
1,2,3-Trichlorobenzene	EPA 8260B	10J2882	0.30	0.50	ND	1	10/25/10	10/25/10	
1,2,4-Trichlorobenzene	EPA 8260B	10J2882	0.48	0.50	ND	1	10/25/10	10/25/10	
1,1,1-Trichloroethane	EPA 8260B	10J2882	0.30	0.50	ND	1	10/25/10	10/25/10	

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Sushmitha Reddy
Project Manager

Geologica
303 La Jolla Drive
Newport Beach, CA 92663
Attention: Charles Wechsler

Project ID: Whittier GW Investigation
Report Number: ITJ1107

Sampled: 10/11/10
Received: 10/12/10

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Date Qualifiers
Sample ID: ITJ1107-02 (NW-1 - Water) - cont.									
Reporting Units: ug/l									
1,1,2-Trichloroethane	EPA 8260B	10J2882	0.30	0.50	ND	1	10/25/10	10/25/10	
Trichloroethene	EPA 8260B	10J2882	0.26	0.50	290	1	10/25/10	10/25/10	MHA
Trichlorofluoromethane	EPA 8260B	10J2882	0.34	0.50	44	1	10/25/10	10/25/10	
Trichlorotrifluoroethane (Freon 113)	EPA 8260B	10J2882	0.50	2.0	92	1	10/25/10	10/25/10	
Vinyl chloride	EPA 8260B	10J2882	0.40	0.50	ND	1	10/25/10	10/25/10	
m,p-Xylenes	EPA 8260B	10J2882	0.60	1.0	ND	1	10/25/10	10/25/10	
o-Xylene	EPA 8260B	10J2882	0.30	1.0	ND	1	10/25/10	10/25/10	
Xylenes, Total	EPA 8260B	10J2882	0.90	1.0	ND	1	10/25/10	10/25/10	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	10J2882	0.32	0.50	0.43	1	10/25/10	10/25/10	J
<i>Surrogate: 4-Bromofluorobenzene (80-120%)</i>									
<i>Surrogate: Dibromofluoromethane (80-120%)</i>									
<i>Surrogate: Toluene-d8 (80-120%)</i>									
87 %									
94 %									
97 %									

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Project Manager

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Attention: Charles Wechsler

Project ID: Whittier GW Investigation
Report Number: ITJ1107

Sampled: 10/11/10
Received: 10/12/10

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Date Qualifiers
Sample ID: ITJ1107-03 (SW-1 - Water)									
Reporting Units: ug/l									
Acetone	EPA 8260B	10J2882	4.5	10	ND	1	10/25/10	10/25/10	
Benzene	EPA 8260B	10J2882	0.28	0.50	ND	1	10/25/10	10/25/10	
Bromochloromethane	EPA 8260B	10J2882	0.40	0.50	ND	1	10/25/10	10/25/10	
Bromodichloromethane	EPA 8260B	10J2882	0.30	0.50	ND	1	10/25/10	10/25/10	
Bromoform	EPA 8260B	10J2882	0.40	0.50	ND	1	10/25/10	10/25/10	
Bromomethane	EPA 8260B	10J2882	0.42	1.0	ND	1	10/25/10	10/25/10	
2-Butanone (MEK)	EPA 8260B	10J2882	4.7	5.0	ND	1	10/25/10	10/25/10	
Carbon Disulfide	EPA 8260B	10J2882	0.48	1.0	ND	1	10/25/10	10/25/10	
Carbon tetrachloride	EPA 8260B	10J2882	0.28	0.50	ND	1	10/25/10	10/25/10	
Chlorobenzene	EPA 8260B	10J2882	0.36	0.50	ND	1	10/25/10	10/25/10	
Chloroethane	EPA 8260B	10J2882	0.40	0.50	ND	1	10/25/10	10/25/10	
Chloroform	EPA 8260B	10J2882	0.33	0.50	17	1	10/25/10	10/25/10	
Chloromethane	EPA 8260B	10J2882	0.40	0.50	ND	1	10/25/10	10/25/10	
1,2-Dibromo-3-chloropropane	EPA 8260B	10J2882	0.97	1.0	ND	1	10/25/10	10/25/10	
Dibromochloromethane	EPA 8260B	10J2882	0.40	0.50	ND	1	10/25/10	10/25/10	
1,2-Dibromoethane (EDB)	EPA 8260B	10J2882	0.40	1.0	ND	1	10/25/10	10/25/10	
1,2-Dichlorobenzene	EPA 8260B	10J2882	0.32	0.50	ND	1	10/25/10	10/25/10	
1,3-Dichlorobenzene	EPA 8260B	10J2882	0.35	0.50	ND	1	10/25/10	10/25/10	
1,4-Dichlorobenzene	EPA 8260B	10J2882	0.37	0.50	ND	1	10/25/10	10/25/10	
Dichlorodifluoromethane	EPA 8260B	10J2882	0.26	2.0	ND	1	10/25/10	10/25/10	
1,1-Dichloroethane	EPA 8260B	10J2882	0.40	0.50	0.52	1	10/25/10	10/25/10	
1,2-Dichloroethane	EPA 8260B	10J2882	0.28	0.50	1.6	1	10/25/10	10/25/10	
1,1-Dichloroethene	EPA 8260B	10J2882	0.42	0.50	140	1	10/25/10	10/25/10	
cis-1,2-Dichloroethene	EPA 8260B	10J2882	0.32	0.50	2.4	1	10/25/10	10/25/10	
trans-1,2-Dichloroethene	EPA 8260B	10J2882	0.30	0.50	ND	1	10/25/10	10/25/10	
1,2-Dichloropropane	EPA 8260B	10J2882	0.35	0.50	ND	1	10/25/10	10/25/10	
cis-1,3-Dichloropropene	EPA 8260B	10J2882	0.22	0.50	ND	1	10/25/10	10/25/10	
trans-1,3-Dichloropropene	EPA 8260B	10J2882	0.32	0.50	ND	1	10/25/10	10/25/10	
Ethylbenzene	EPA 8260B	10J2882	0.25	0.50	ND	1	10/25/10	10/25/10	
2-Hexanone	EPA 8260B	10J2882	2.6	5.0	ND	1	10/25/10	10/25/10	
Isopropylbenzene	EPA 8260B	10J2882	0.25	0.50	ND	1	10/25/10	10/25/10	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	10J2882	3.5	5.0	ND	1	10/25/10	10/25/10	
Cyclohexane	EPA 8260B	10J2882	0.40	1.0	ND	1	10/25/10	10/25/10	
Methylene chloride	EPA 8260B	10J2882	0.95	1.0	ND	1	10/25/10	10/25/10	
Styrene	EPA 8260B	10J2882	0.20	0.50	ND	1	10/25/10	10/25/10	
1,1,2,2-Tetrachloroethane	EPA 8260B	10J2882	0.30	0.50	ND	1	10/25/10	10/25/10	
Tetrachloroethene	EPA 8260B	10J2882	0.32	0.50	130	1	10/25/10	10/25/10	
Toluene	EPA 8260B	10J2882	0.36	0.50	ND	1	10/25/10	10/25/10	
1,2,3-Trichlorobenzene	EPA 8260B	10J2882	0.30	0.50	ND	1	10/25/10	10/25/10	
1,2,4-Trichlorobenzene	EPA 8260B	10J2882	0.48	0.50	ND	1	10/25/10	10/25/10	
1,1,1-Trichloroethane	EPA 8260B	10J2882	0.30	0.50	ND	1	10/25/10	10/25/10	

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Sushmitha Reddy
Project Manager

Geologica
303 La Jolla Drive
Newport Beach, CA 92663
Attention: Charles Wechsler

Project ID: Whittier GW Investigation
Report Number: ITJ1107

Sampled: 10/11/10
Received: 10/12/10

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Date Qualifiers
Sample ID: ITJ1107-03 (SW-1 - Water) - cont.									
Reporting Units: ug/l									
1,1,2-Trichloroethane	EPA 8260B	10J2882	0.30	0.50	ND	1	10/25/10	10/25/10	
Trichloroethene	EPA 8260B	10J2882	0.26	0.50	120	1	10/25/10	10/25/10	
Trichlorofluoromethane	EPA 8260B	10J2882	0.34	0.50	86	1	10/25/10	10/25/10	
Trichlorotrifluoroethane (Freon 113)	EPA 8260B	10J2882	0.50	2.0	190	1	10/25/10	10/25/10	
Vinyl chloride	EPA 8260B	10J2882	0.40	0.50	ND	1	10/25/10	10/25/10	
m,p-Xylenes	EPA 8260B	10J2882	0.60	1.0	ND	1	10/25/10	10/25/10	
o-Xylene	EPA 8260B	10J2882	0.30	1.0	ND	1	10/25/10	10/25/10	
Xylenes, Total	EPA 8260B	10J2882	0.90	1.0	ND	1	10/25/10	10/25/10	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	10J2882	0.32	0.50	0.67	1	10/25/10	10/25/10	
Surrogate: 4-Bromofluorobenzene (80-120%)									
Surrogate: Dibromofluoromethane (80-120%)									
Surrogate: Toluene-d8 (80-120%)									
87 %									
96 %									
96 %									

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Sushmitha Reddy
Project Manager

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Geologica
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Attention: Charles Wechsler

Project ID: Whittier GW Investigation
Report Number: ITJ1107

Sampled: 10/11/10
Received: 10/12/10

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Date Qualifiers
Sample ID: ITJ1107-04 (SE-1 - Water)									
Reporting Units: ug/l									
Acetone	EPA 8260B	10J2770	4.5	10	ND	1	10/23/10	10/23/10	
Benzene	EPA 8260B	10J2770	0.28	0.50	ND	1	10/23/10	10/23/10	
Bromochloromethane	EPA 8260B	10J2770	0.40	0.50	ND	1	10/23/10	10/23/10	
Bromodichloromethane	EPA 8260B	10J2770	0.30	0.50	ND	1	10/23/10	10/23/10	
Bromoform	EPA 8260B	10J2770	0.40	0.50	ND	1	10/23/10	10/23/10	
Bromomethane	EPA 8260B	10J2770	0.42	1.0	ND	1	10/23/10	10/23/10	
2-Butanone (MEK)	EPA 8260B	10J2770	4.7	5.0	ND	1	10/23/10	10/23/10	
Carbon Disulfide	EPA 8260B	10J2770	0.48	1.0	ND	1	10/23/10	10/23/10	
Carbon tetrachloride	EPA 8260B	10J2770	0.28	0.50	ND	1	10/23/10	10/23/10	
Chlorobenzene	EPA 8260B	10J2770	0.36	0.50	ND	1	10/23/10	10/23/10	
Chloroethane	EPA 8260B	10J2770	0.40	0.50	ND	1	10/23/10	10/23/10	
Chloroform	EPA 8260B	10J2770	0.33	0.50	ND	1	10/23/10	10/23/10	
Chloromethane	EPA 8260B	10J2770	0.40	0.50	ND	1	10/23/10	10/23/10	
1,2-Dibromo-3-chloropropane	EPA 8260B	10J2770	0.97	1.0	ND	1	10/23/10	10/23/10	
Dibromochloromethane	EPA 8260B	10J2770	0.40	0.50	ND	1	10/23/10	10/23/10	
1,2-Dibromoethane (EDB)	EPA 8260B	10J2770	0.40	1.0	ND	1	10/23/10	10/23/10	
1,2-Dichlorobenzene	EPA 8260B	10J2770	0.32	0.50	ND	1	10/23/10	10/23/10	
1,3-Dichlorobenzene	EPA 8260B	10J2770	0.35	0.50	ND	1	10/23/10	10/23/10	
1,4-Dichlorobenzene	EPA 8260B	10J2770	0.37	0.50	ND	1	10/23/10	10/23/10	
Dichlorodifluoromethane	EPA 8260B	10J2770	0.26	2.0	ND	1	10/23/10	10/23/10	
1,1-Dichloroethane	EPA 8260B	10J2770	0.40	0.50	ND	1	10/23/10	10/23/10	
1,2-Dichloroethane	EPA 8260B	10J2770	0.28	0.50	ND	1	10/23/10	10/23/10	
1,1-Dichloroethene	EPA 8260B	10J2770	0.42	0.50	4.1	1	10/23/10	10/23/10	
cis-1,2-Dichloroethene	EPA 8260B	10J2770	0.32	0.50	ND	1	10/23/10	10/23/10	
trans-1,2-Dichloroethene	EPA 8260B	10J2770	0.30	0.50	ND	1	10/23/10	10/23/10	
1,2-Dichloropropane	EPA 8260B	10J2770	0.35	0.50	ND	1	10/23/10	10/23/10	
cis-1,3-Dichloropropene	EPA 8260B	10J2770	0.22	0.50	ND	1	10/23/10	10/23/10	
trans-1,3-Dichloropropene	EPA 8260B	10J2770	0.32	0.50	ND	1	10/23/10	10/23/10	
Ethylbenzene	EPA 8260B	10J2770	0.25	0.50	ND	1	10/23/10	10/23/10	
2-Hexanone	EPA 8260B	10J2770	2.6	5.0	ND	1	10/23/10	10/23/10	
Isopropylbenzene	EPA 8260B	10J2770	0.25	0.50	ND	1	10/23/10	10/23/10	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	10J2770	3.5	5.0	ND	1	10/23/10	10/23/10	
Cyclohexane	EPA 8260B	10J2770	0.40	1.0	ND	1	10/23/10	10/23/10	
Methylene chloride	EPA 8260B	10J2770	0.95	1.0	ND	1	10/23/10	10/23/10	
Styrene	EPA 8260B	10J2770	0.20	0.50	ND	1	10/23/10	10/23/10	
1,1,2,2-Tetrachloroethane	EPA 8260B	10J2770	0.30	0.50	ND	1	10/23/10	10/23/10	
Tetrachloroethene	EPA 8260B	10J2770	0.32	0.50	22	1	10/23/10	10/23/10	
Toluene	EPA 8260B	10J2770	0.36	0.50	ND	1	10/23/10	10/23/10	
1,2,3-Trichlorobenzene	EPA 8260B	10J2770	0.30	0.50	ND	1	10/23/10	10/23/10	
1,2,4-Trichlorobenzene	EPA 8260B	10J2770	0.48	0.50	ND	1	10/23/10	10/23/10	
1,1,1-Trichloroethane	EPA 8260B	10J2770	0.30	0.50	ND	1	10/23/10	10/23/10	

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Sushmitha Reddy
Project Manager

Geologica
303 La Jolla Drive
Newport Beach, CA 92663
Attention: Charles Wechsler

Project ID: Whittier GW Investigation
Report Number: ITJ1107

Sampled: 10/11/10
Received: 10/12/10

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Date Qualifiers
Sample ID: ITJ1107-04 (SE-1 - Water) - cont.									
Reporting Units: ug/l									
1,1,2-Trichloroethane	EPA 8260B	10J2770	0.30	0.50	ND	1	10/23/10	10/23/10	
Trichloroethene	EPA 8260B	10J2770	0.26	0.50	12	1	10/23/10	10/23/10	
Trichlorofluoromethane	EPA 8260B	10J2770	0.34	0.50	3.3	1	10/23/10	10/23/10	
Trichlorotrifluoroethane (Freon 113)	EPA 8260B	10J2770	0.50	2.0	20	1	10/23/10	10/23/10	
Vinyl chloride	EPA 8260B	10J2770	0.40	0.50	ND	1	10/23/10	10/23/10	
m,p-Xylenes	EPA 8260B	10J2770	0.60	1.0	ND	1	10/23/10	10/23/10	
o-Xylene	EPA 8260B	10J2770	0.30	1.0	ND	1	10/23/10	10/23/10	
Xylenes, Total	EPA 8260B	10J2770	0.90	1.0	ND	1	10/23/10	10/23/10	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	10J2770	0.32	0.50	ND	1	10/23/10	10/23/10	
<i>Surrogate: 4-Bromofluorobenzene (80-120%)</i>							87 %		
<i>Surrogate: Dibromofluoromethane (80-120%)</i>							96 %		
<i>Surrogate: Toluene-d8 (80-120%)</i>							99 %		

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Attention: Charles Wechsler

Project ID: Whittier GW Investigation
Report Number: ITJ1107

Sampled: 10/11/10
Received: 10/12/10

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Date Qualifiers
Sample ID: ITJ1107-05 (E-1 - Water)									
Reporting Units: ug/l									
Acetone	EPA 8260B	10J2844	4.5	10	ND	1	10/24/10	10/24/10	
Benzene	EPA 8260B	10J2844	0.28	0.50	ND	1	10/24/10	10/24/10	
Bromochloromethane	EPA 8260B	10J2844	0.40	0.50	ND	1	10/24/10	10/24/10	
Bromodichloromethane	EPA 8260B	10J2844	0.30	0.50	ND	1	10/24/10	10/24/10	
Bromoform	EPA 8260B	10J2844	0.40	0.50	0.61	1	10/24/10	10/24/10	
Bromomethane	EPA 8260B	10J2844	0.42	1.0	ND	1	10/24/10	10/24/10	
2-Butanone (MEK)	EPA 8260B	10J2844	4.7	5.0	ND	1	10/24/10	10/24/10	
Carbon Disulfide	EPA 8260B	10J2844	0.48	1.0	ND	1	10/24/10	10/24/10	
Carbon tetrachloride	EPA 8260B	10J2844	0.28	0.50	ND	1	10/24/10	10/24/10	
Chlorobenzene	EPA 8260B	10J2844	0.36	0.50	ND	1	10/24/10	10/24/10	
Chloroethane	EPA 8260B	10J2844	0.40	0.50	ND	1	10/24/10	10/24/10	
Chloroform	EPA 8260B	10J2844	0.33	0.50	0.34	1	10/24/10	10/24/10	J
Chloromethane	EPA 8260B	10J2844	0.40	0.50	ND	1	10/24/10	10/24/10	
1,2-Dibromo-3-chloropropane	EPA 8260B	10J2844	0.97	1.0	ND	1	10/24/10	10/24/10	
Dibromochloromethane	EPA 8260B	10J2844	0.40	0.50	ND	1	10/24/10	10/24/10	
1,2-Dibromoethane (EDB)	EPA 8260B	10J2844	0.40	1.0	ND	1	10/24/10	10/24/10	
1,2-Dichlorobenzene	EPA 8260B	10J2844	0.32	0.50	ND	1	10/24/10	10/24/10	
1,3-Dichlorobenzene	EPA 8260B	10J2844	0.35	0.50	ND	1	10/24/10	10/24/10	
1,4-Dichlorobenzene	EPA 8260B	10J2844	0.37	0.50	ND	1	10/24/10	10/24/10	
Dichlorodifluoromethane	EPA 8260B	10J2844	0.26	2.0	ND	1	10/24/10	10/24/10	
1,1-Dichloroethane	EPA 8260B	10J2844	0.40	0.50	ND	1	10/24/10	10/24/10	
1,2-Dichloroethane	EPA 8260B	10J2844	0.28	0.50	ND	1	10/24/10	10/24/10	
1,1-Dichloroethene	EPA 8260B	10J2844	0.42	0.50	5.1	1	10/24/10	10/24/10	
cis-1,2-Dichloroethene	EPA 8260B	10J2844	0.32	0.50	ND	1	10/24/10	10/24/10	
trans-1,2-Dichloroethene	EPA 8260B	10J2844	0.30	0.50	ND	1	10/24/10	10/24/10	
1,2-Dichloropropane	EPA 8260B	10J2844	0.35	0.50	ND	1	10/24/10	10/24/10	
cis-1,3-Dichloropropene	EPA 8260B	10J2844	0.22	0.50	ND	1	10/24/10	10/24/10	
trans-1,3-Dichloropropene	EPA 8260B	10J2844	0.32	0.50	ND	1	10/24/10	10/24/10	
Ethylbenzene	EPA 8260B	10J2844	0.25	0.50	ND	1	10/24/10	10/24/10	
2-Hexanone	EPA 8260B	10J2844	2.6	5.0	ND	1	10/24/10	10/24/10	
Isopropylbenzene	EPA 8260B	10J2844	0.25	0.50	ND	1	10/24/10	10/24/10	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	10J2844	3.5	5.0	ND	1	10/24/10	10/24/10	
Cyclohexane	EPA 8260B	10J2844	0.40	1.0	ND	1	10/24/10	10/24/10	
Methylene chloride	EPA 8260B	10J2844	0.95	1.0	1.6	1	10/24/10	10/24/10	
Styrene	EPA 8260B	10J2844	0.20	0.50	ND	1	10/24/10	10/24/10	
1,1,2,2-Tetrachloroethane	EPA 8260B	10J2844	0.30	0.50	ND	1	10/24/10	10/24/10	
Tetrachloroethene	EPA 8260B	10J2844	0.32	0.50	9.9	1	10/24/10	10/24/10	
Toluene	EPA 8260B	10J2844	0.36	0.50	ND	1	10/24/10	10/24/10	
1,2,3-Trichlorobenzene	EPA 8260B	10J2844	0.30	0.50	ND	1	10/24/10	10/24/10	
1,2,4-Trichlorobenzene	EPA 8260B	10J2844	0.48	0.50	ND	1	10/24/10	10/24/10	
1,1,1-Trichloroethane	EPA 8260B	10J2844	0.30	0.50	ND	1	10/24/10	10/24/10	

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Sushmitha Reddy
Project Manager

Geologica
303 La Jolla Drive
Newport Beach, CA 92663
Attention: Charles Wechsler

Project ID: Whittier GW Investigation
Report Number: ITJ1107

Sampled: 10/11/10
Received: 10/12/10

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Date Qualifiers
Sample ID: ITJ1107-05 (E-1 - Water) - cont.									
Reporting Units: ug/l									
1,1,2-Trichloroethane	EPA 8260B	10J2844	0.30	0.50	ND	1	10/24/10	10/24/10	
Trichloroethene	EPA 8260B	10J2844	0.26	0.50	8.5	1	10/24/10	10/24/10	
Trichlorofluoromethane	EPA 8260B	10J2844	0.34	0.50	3.1	1	10/24/10	10/24/10	
Trichlorotrifluoroethane (Freon 113)	EPA 8260B	10J2844	0.50	2.0	7.0	1	10/24/10	10/24/10	
Vinyl chloride	EPA 8260B	10J2844	0.40	0.50	ND	1	10/24/10	10/24/10	
m,p-Xylenes	EPA 8260B	10J2844	0.60	1.0	ND	1	10/24/10	10/24/10	
o-Xylene	EPA 8260B	10J2844	0.30	1.0	ND	1	10/24/10	10/24/10	
Xylenes, Total	EPA 8260B	10J2844	0.90	1.0	ND	1	10/24/10	10/24/10	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	10J2844	0.32	0.50	ND	1	10/24/10	10/24/10	
<i>Surrogate: 4-Bromofluorobenzene (80-120%)</i>							88 %		
<i>Surrogate: Dibromofluoromethane (80-120%)</i>							97 %		
<i>Surrogate: Toluene-d8 (80-120%)</i>							99 %		

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Attention: Charles Wechsler

Project ID: Whittier GW Investigation
Report Number: ITJ1107

Sampled: 10/11/10
Received: 10/12/10

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Date Qualifiers
Sample ID: ITJ1107-06 (NE-1 - Water)									
Reporting Units: ug/l									
Acetone	EPA 8260B	10J2882	4.5	10	ND	1	10/25/10	10/25/10	
Benzene	EPA 8260B	10J2882	0.28	0.50	ND	1	10/25/10	10/25/10	
Bromochloromethane	EPA 8260B	10J2882	0.40	0.50	ND	1	10/25/10	10/25/10	
Bromodichloromethane	EPA 8260B	10J2882	0.30	0.50	ND	1	10/25/10	10/25/10	
Bromoform	EPA 8260B	10J2882	0.40	0.50	ND	1	10/25/10	10/25/10	
Bromomethane	EPA 8260B	10J2882	0.42	1.0	ND	1	10/25/10	10/25/10	
2-Butanone (MEK)	EPA 8260B	10J2882	4.7	5.0	ND	1	10/25/10	10/25/10	
Carbon Disulfide	EPA 8260B	10J2882	0.48	1.0	ND	1	10/25/10	10/25/10	
Carbon tetrachloride	EPA 8260B	10J2882	0.28	0.50	ND	1	10/25/10	10/25/10	
Chlorobenzene	EPA 8260B	10J2882	0.36	0.50	ND	1	10/25/10	10/25/10	
Chloroethane	EPA 8260B	10J2882	0.40	0.50	ND	1	10/25/10	10/25/10	
Chloroform	EPA 8260B	10J2882	0.33	0.50	5.2	1	10/25/10	10/25/10	
Chloromethane	EPA 8260B	10J2882	0.40	0.50	ND	1	10/25/10	10/25/10	
1,2-Dibromo-3-chloropropane	EPA 8260B	10J2882	0.97	1.0	ND	1	10/25/10	10/25/10	
Dibromochloromethane	EPA 8260B	10J2882	0.40	0.50	ND	1	10/25/10	10/25/10	
1,2-Dibromoethane (EDB)	EPA 8260B	10J2882	0.40	1.0	ND	1	10/25/10	10/25/10	
1,2-Dichlorobenzene	EPA 8260B	10J2882	0.32	0.50	ND	1	10/25/10	10/25/10	
1,3-Dichlorobenzene	EPA 8260B	10J2882	0.35	0.50	ND	1	10/25/10	10/25/10	
1,4-Dichlorobenzene	EPA 8260B	10J2882	0.37	0.50	ND	1	10/25/10	10/25/10	
Dichlorodifluoromethane	EPA 8260B	10J2882	0.26	2.0	ND	1	10/25/10	10/25/10	
1,1-Dichloroethane	EPA 8260B	10J2882	0.40	0.50	ND	1	10/25/10	10/25/10	
1,2-Dichloroethane	EPA 8260B	10J2882	0.28	0.50	0.69	1	10/25/10	10/25/10	
1,1-Dichloroethene	EPA 8260B	10J2882	0.42	0.50	66	1	10/25/10	10/25/10	
cis-1,2-Dichloroethene	EPA 8260B	10J2882	0.32	0.50	9.6	1	10/25/10	10/25/10	
trans-1,2-Dichloroethene	EPA 8260B	10J2882	0.30	0.50	ND	1	10/25/10	10/25/10	
1,2-Dichloropropane	EPA 8260B	10J2882	0.35	0.50	ND	1	10/25/10	10/25/10	
cis-1,3-Dichloropropene	EPA 8260B	10J2882	0.22	0.50	ND	1	10/25/10	10/25/10	
trans-1,3-Dichloropropene	EPA 8260B	10J2882	0.32	0.50	ND	1	10/25/10	10/25/10	
Ethylbenzene	EPA 8260B	10J2882	0.25	0.50	ND	1	10/25/10	10/25/10	
2-Hexanone	EPA 8260B	10J2882	2.6	5.0	ND	1	10/25/10	10/25/10	
Isopropylbenzene	EPA 8260B	10J2882	0.25	0.50	ND	1	10/25/10	10/25/10	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	10J2882	3.5	5.0	ND	1	10/25/10	10/25/10	
Cyclohexane	EPA 8260B	10J2882	0.40	1.0	ND	1	10/25/10	10/25/10	
Methylene chloride	EPA 8260B	10J2882	0.95	1.0	ND	1	10/25/10	10/25/10	
Styrene	EPA 8260B	10J2882	0.20	0.50	ND	1	10/25/10	10/25/10	
1,1,2,2-Tetrachloroethane	EPA 8260B	10J2882	0.30	0.50	ND	1	10/25/10	10/25/10	
Tetrachloroethene	EPA 8260B	10J2882	0.32	0.50	74	1	10/25/10	10/25/10	
Toluene	EPA 8260B	10J2882	0.36	0.50	ND	1	10/25/10	10/25/10	
1,2,3-Trichlorobenzene	EPA 8260B	10J2882	0.30	0.50	ND	1	10/25/10	10/25/10	
1,2,4-Trichlorobenzene	EPA 8260B	10J2882	0.48	0.50	ND	1	10/25/10	10/25/10	
1,1,1-Trichloroethane	EPA 8260B	10J2882	0.30	0.50	ND	1	10/25/10	10/25/10	

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Sushmitha Reddy
Project Manager

Geologica
303 La Jolla Drive
Newport Beach, CA 92663
Attention: Charles Wechsler

Project ID: Whittier GW Investigation
Report Number: ITJ1107

Sampled: 10/11/10
Received: 10/12/10

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Date Qualifiers
Sample ID: ITJ1107-06 (NE-1 - Water) - cont.									
Reporting Units: ug/l									
1,1,2-Trichloroethane	EPA 8260B	10J2882	0.30	0.50	ND	1	10/25/10	10/25/10	
Trichlorofluoromethane	EPA 8260B	10J2882	0.34	0.50	55	1	10/25/10	10/25/10	
Trichlorotrifluoroethane (Freon 113)	EPA 8260B	10J2882	0.50	2.0	92	1	10/25/10	10/25/10	
Vinyl chloride	EPA 8260B	10J2882	0.40	0.50	ND	1	10/25/10	10/25/10	
m,p-Xylenes	EPA 8260B	10J2882	0.60	1.0	ND	1	10/25/10	10/25/10	
o-Xylene	EPA 8260B	10J2882	0.30	1.0	ND	1	10/25/10	10/25/10	
Xylenes, Total	EPA 8260B	10J2882	0.90	1.0	ND	1	10/25/10	10/25/10	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	10J2882	0.32	0.50	ND	1	10/25/10	10/25/10	
<i>Surrogate: 4-Bromofluorobenzene (80-120%)</i>									
88 %									
<i>Surrogate: Dibromofluoromethane (80-120%)</i>									
95 %									
<i>Surrogate: Toluene-d8 (80-120%)</i>									
97 %									

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Project Manager

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Attention: Charles Wechsler

Project ID: Whittier GW Investigation
Report Number: ITJ1107

Sampled: 10/11/10
Received: 10/12/10

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITJ1107-06RE1 (NE-1 - Water) - cont.									
Reporting Units: ug/l									
Trichloroethene	EPA 8260B	10J2882	1.0	2.0	370	4	10/25/10	10/25/10	
<i>Surrogate: 4-Bromofluorobenzene (80-120%)</i>					87 %				
<i>Surrogate: Dibromofluoromethane (80-120%)</i>					92 %				
<i>Surrogate: Toluene-d8 (80-120%)</i>					98 %				

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Newport Beach, CA 92663
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Sampled: 10/11/10
Received: 10/12/10

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Date Qualifiers
Sample ID: ITJ1107-07 (TRIP BLANKS - Water)									
Reporting Units: ug/l									
Acetone	EPA 8260B	10J2770	4.5	10	ND	1	10/23/10	10/23/10	
Benzene	EPA 8260B	10J2770	0.28	0.50	ND	1	10/23/10	10/23/10	
Bromochloromethane	EPA 8260B	10J2770	0.40	0.50	ND	1	10/23/10	10/23/10	
Bromodichloromethane	EPA 8260B	10J2770	0.30	0.50	ND	1	10/23/10	10/23/10	
Bromoform	EPA 8260B	10J2770	0.40	0.50	ND	1	10/23/10	10/23/10	
Bromomethane	EPA 8260B	10J2770	0.42	1.0	ND	1	10/23/10	10/23/10	
2-Butanone (MEK)	EPA 8260B	10J2770	4.7	5.0	ND	1	10/23/10	10/23/10	
Carbon Disulfide	EPA 8260B	10J2770	0.48	1.0	ND	1	10/23/10	10/23/10	
Carbon tetrachloride	EPA 8260B	10J2770	0.28	0.50	ND	1	10/23/10	10/23/10	
Chlorobenzene	EPA 8260B	10J2770	0.36	0.50	ND	1	10/23/10	10/23/10	
Chloroethane	EPA 8260B	10J2770	0.40	0.50	ND	1	10/23/10	10/23/10	
Chloroform	EPA 8260B	10J2770	0.33	0.50	ND	1	10/23/10	10/23/10	
Chloromethane	EPA 8260B	10J2770	0.40	0.50	ND	1	10/23/10	10/23/10	
1,2-Dibromo-3-chloropropane	EPA 8260B	10J2770	0.97	1.0	ND	1	10/23/10	10/23/10	
Dibromochloromethane	EPA 8260B	10J2770	0.40	0.50	ND	1	10/23/10	10/23/10	
1,2-Dibromoethane (EDB)	EPA 8260B	10J2770	0.40	1.0	ND	1	10/23/10	10/23/10	
1,2-Dichlorobenzene	EPA 8260B	10J2770	0.32	0.50	ND	1	10/23/10	10/23/10	
1,3-Dichlorobenzene	EPA 8260B	10J2770	0.35	0.50	ND	1	10/23/10	10/23/10	
1,4-Dichlorobenzene	EPA 8260B	10J2770	0.37	0.50	ND	1	10/23/10	10/23/10	
Dichlorodifluoromethane	EPA 8260B	10J2770	0.26	2.0	ND	1	10/23/10	10/23/10	
1,1-Dichloroethane	EPA 8260B	10J2770	0.40	0.50	ND	1	10/23/10	10/23/10	
1,2-Dichloroethane	EPA 8260B	10J2770	0.28	0.50	ND	1	10/23/10	10/23/10	
1,1-Dichloroethene	EPA 8260B	10J2770	0.42	0.50	ND	1	10/23/10	10/23/10	
cis-1,2-Dichloroethene	EPA 8260B	10J2770	0.32	0.50	ND	1	10/23/10	10/23/10	
trans-1,2-Dichloroethene	EPA 8260B	10J2770	0.30	0.50	ND	1	10/23/10	10/23/10	
1,2-Dichloropropane	EPA 8260B	10J2770	0.35	0.50	ND	1	10/23/10	10/23/10	
cis-1,3-Dichloropropene	EPA 8260B	10J2770	0.22	0.50	ND	1	10/23/10	10/23/10	
trans-1,3-Dichloropropene	EPA 8260B	10J2770	0.32	0.50	ND	1	10/23/10	10/23/10	
Ethylbenzene	EPA 8260B	10J2770	0.25	0.50	ND	1	10/23/10	10/23/10	
2-Hexanone	EPA 8260B	10J2770	2.6	5.0	ND	1	10/23/10	10/23/10	
Isopropylbenzene	EPA 8260B	10J2770	0.25	0.50	ND	1	10/23/10	10/23/10	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	10J2770	3.5	5.0	ND	1	10/23/10	10/23/10	
Cyclohexane	EPA 8260B	10J2770	0.40	1.0	ND	1	10/23/10	10/23/10	
Methylene chloride	EPA 8260B	10J2770	0.95	1.0	ND	1	10/23/10	10/23/10	
Styrene	EPA 8260B	10J2770	0.20	0.50	ND	1	10/23/10	10/23/10	
1,1,2,2-Tetrachloroethane	EPA 8260B	10J2770	0.30	0.50	ND	1	10/23/10	10/23/10	
Tetrachloroethene	EPA 8260B	10J2770	0.32	0.50	ND	1	10/23/10	10/23/10	
Toluene	EPA 8260B	10J2770	0.36	0.50	ND	1	10/23/10	10/23/10	
1,2,3-Trichlorobenzene	EPA 8260B	10J2770	0.30	0.50	ND	1	10/23/10	10/23/10	
1,2,4-Trichlorobenzene	EPA 8260B	10J2770	0.48	0.50	ND	1	10/23/10	10/23/10	
1,1,1-Trichloroethane	EPA 8260B	10J2770	0.30	0.50	ND	1	10/23/10	10/23/10	

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Sushmitha Reddy
Project Manager

Geologica
303 La Jolla Drive
Newport Beach, CA 92663
Attention: Charles Wechsler

Project ID: Whittier GW Investigation
Report Number: ITJ1107

Sampled: 10/11/10
Received: 10/12/10

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Date Qualifiers
Sample ID: ITJ1107-07 (TRIP BLANKS - Water) - cont.									
Reporting Units: ug/l									
1,1,2-Trichloroethane	EPA 8260B	10J2770	0.30	0.50	ND	1	10/23/10	10/23/10	
Trichloroethene	EPA 8260B	10J2770	0.26	0.50	ND	1	10/23/10	10/23/10	
Trichlorofluoromethane	EPA 8260B	10J2770	0.34	0.50	ND	1	10/23/10	10/23/10	
Trichlorotrifluoroethane (Freon 113)	EPA 8260B	10J2770	0.50	2.0	ND	1	10/23/10	10/23/10	
Vinyl chloride	EPA 8260B	10J2770	0.40	0.50	ND	1	10/23/10	10/23/10	
m,p-Xylenes	EPA 8260B	10J2770	0.60	1.0	ND	1	10/23/10	10/23/10	
o-Xylene	EPA 8260B	10J2770	0.30	1.0	ND	1	10/23/10	10/23/10	
Xylenes, Total	EPA 8260B	10J2770	0.90	1.0	ND	1	10/23/10	10/23/10	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	10J2770	0.32	0.50	ND	1	10/23/10	10/23/10	
<i>Surrogate: 4-Bromofluorobenzene (80-120%)</i>							85 %		
<i>Surrogate: Dibromofluoromethane (80-120%)</i>							99 %		
<i>Surrogate: Toluene-d8 (80-120%)</i>							99 %		

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Sushmitha Reddy
Project Manager

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PURGEABLES BY GC/MS, TENTATIVELY IDENTIFIED COMPOUNDS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITJ1107-01 (W-1 - Water)									
Reporting Units: ug/l									
methylcyclohexane	EPA 8260B	10J2770	N/A	2.5	ND	1	10/23/10	10/23/10	
Sample ID: ITJ1107-02 (NW-1 - Water)									
Reporting Units: ug/l									
methylcyclohexane	EPA 8260B	10J2882	N/A	2.5	ND	1	10/25/10	10/25/10	
Sample ID: ITJ1107-03 (SW-1 - Water)									
Reporting Units: ug/l									
methylcyclohexane	EPA 8260B	10J2882	N/A	2.5	ND	1	10/25/10	10/25/10	
Sample ID: ITJ1107-04 (SE-1 - Water)									
Reporting Units: ug/l									
methylcyclohexane	EPA 8260B	10J2770	N/A	2.5	ND	1	10/23/10	10/23/10	
Sample ID: ITJ1107-05 (E-1 - Water)									
Reporting Units: ug/l									
methylcyclohexane	EPA 8260B	10J2844	N/A	2.5	ND	1	10/24/10	10/24/10	
Sample ID: ITJ1107-06 (NE-1 - Water)									
Reporting Units: ug/l									
methylcyclohexane	EPA 8260B	10J2882	N/A	2.5	ND	1	10/25/10	10/25/10	
Sample ID: ITJ1107-07 (TRIP BLANKS - Water)									
Reporting Units: ug/l									
methylcyclohexane	EPA 8260B	10J2770	N/A	2.5	ND	1	10/23/10	10/23/10	

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Sushmitha Reddy
Project Manager

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SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3520C/8270C MOD)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Date Qualifiers
Sample ID: ITJ1107-01 (W-1 - Water)									
Reporting Units: ug/l									
1,4-Dioxane	EPA 8270C MOD	10J1364	0.29	0.97	2.6	0.971	10/13/10	10/14/10	
<i>Surrogate: 1,4-Dioxane-d8 (30-120%)</i>									
Sample ID: ITJ1107-02 (NW-1 - Water)									
Reporting Units: ug/l									
1,4-Dioxane	EPA 8270C MOD	10J1364	0.29	0.97	3.3	0.971	10/13/10	10/14/10	
<i>Surrogate: 1,4-Dioxane-d8 (30-120%)</i>									
Sample ID: ITJ1107-03 (SW-1 - Water)									
Reporting Units: ug/l									
1,4-Dioxane	EPA 8270C MOD	10J1364	0.29	0.97	4.8	0.971	10/13/10	10/14/10	
<i>Surrogate: 1,4-Dioxane-d8 (30-120%)</i>									
Sample ID: ITJ1107-04 (SE-1 - Water)									
Reporting Units: ug/l									
1,4-Dioxane	EPA 8270C MOD	10J1364	0.29	0.96	ND	0.962	10/13/10	10/14/10	J
<i>Surrogate: 1,4-Dioxane-d8 (30-120%)</i>									
Sample ID: ITJ1107-05 (E-1 - Water)									
Reporting Units: ug/l									
1,4-Dioxane	EPA 8270C MOD	10J1364	0.29	0.97	0.30	0.971	10/13/10	10/14/10	
<i>Surrogate: 1,4-Dioxane-d8 (30-120%)</i>									
Sample ID: ITJ1107-06 (NE-1 - Water)									
Reporting Units: ug/l									
1,4-Dioxane	EPA 8270C MOD	10J1364	0.29	0.97	2.7	0.971	10/13/10	10/14/10	
<i>Surrogate: 1,4-Dioxane-d8 (30-120%)</i>									

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Sushmitha Reddy
Project Manager

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303 La Jolla Drive
Newport Beach, CA 92663
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METALS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Date Qualifiers
Sample ID: ITJ1107-01 (W-1 - Water)									
Reporting Units: mg/l									
Mercury	EPA 7470A	10J1429	0.00010	0.00020	ND	1	10/13/10	10/13/10	
Cadmium	EPA 6010B	10J2148	0.0020	0.0050	ND	1	10/19/10	10/21/10	
Chromium	EPA 6010B	10J2148	0.0020	0.0050	0.012	1	10/19/10	10/21/10	
Silver	EPA 6010B	10J2148	0.0060	0.010	ND	1	10/19/10	10/21/10	
Sample ID: ITJ1107-02 (NW-1 - Water)									
Reporting Units: mg/l									
Mercury	EPA 7470A	10J1429	0.00010	0.00020	ND	1	10/13/10	10/13/10	
Cadmium	EPA 6010B	10J2148	0.0020	0.0050	ND	1	10/19/10	10/20/10	
Chromium	EPA 6010B	10J2148	0.0020	0.0050	0.010	1	10/19/10	10/20/10	
Silver	EPA 6010B	10J2148	0.0060	0.010	ND	1	10/19/10	10/20/10	
Sample ID: ITJ1107-03 (SW-1 - Water)									
Reporting Units: mg/l									
Mercury	EPA 7470A	10J1429	0.00010	0.00020	ND	1	10/13/10	10/13/10	
Cadmium	EPA 6010B	10J2148	0.0020	0.0050	ND	1	10/19/10	10/20/10	
Chromium	EPA 6010B	10J2148	0.0020	0.0050	0.0098	1	10/19/10	10/20/10	
Silver	EPA 6010B	10J2148	0.0060	0.010	ND	1	10/19/10	10/20/10	
Sample ID: ITJ1107-04 (SE-1 - Water)									
Reporting Units: mg/l									
Mercury	EPA 7470A	10J1429	0.00010	0.00020	ND	1	10/13/10	10/13/10	
Cadmium	EPA 6010B	10J2148	0.0020	0.0050	ND	1	10/19/10	10/20/10	
Chromium	EPA 6010B	10J2148	0.0020	0.0050	0.034	1	10/19/10	10/20/10	
Silver	EPA 6010B	10J2148	0.0060	0.010	ND	1	10/19/10	10/20/10	
Sample ID: ITJ1107-05 (E-1 - Water)									
Reporting Units: mg/l									
Mercury	EPA 7470A	10J1429	0.00010	0.00020	ND	1	10/13/10	10/13/10	
Cadmium	EPA 6010B	10J2148	0.0020	0.0050	ND	1	10/19/10	10/20/10	
Chromium	EPA 6010B	10J2148	0.0020	0.0050	0.013	1	10/19/10	10/20/10	
Silver	EPA 6010B	10J2148	0.0060	0.010	ND	1	10/19/10	10/20/10	
Sample ID: ITJ1107-06 (NE-1 - Water)									
Reporting Units: mg/l									
Mercury	EPA 7470A	10J1429	0.00010	0.00020	ND	1	10/13/10	10/13/10	
Cadmium	EPA 6010B	10J2148	0.0020	0.0050	ND	1	10/19/10	10/20/10	
Chromium	EPA 6010B	10J2148	0.0020	0.0050	0.0075	1	10/19/10	10/20/10	
Silver	EPA 6010B	10J2148	0.0060	0.010	ND	1	10/19/10	10/20/10	

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Sushmitha Reddy
Project Manager

Geologica
303 La Jolla Drive
Newport Beach, CA 92663
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DISSOLVED METALS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Date Qualifiers
Sample ID: ITJ1107-01 (W-1 - Water)									
Reporting Units: mg/l									
Mercury	EPA 7470A-Diss	10J1430	0.00010	0.00020	ND	1	10/13/10	10/13/10	
Cadmium	EPA 6010B-Diss	10J2165	0.0020	0.0050	ND	1	10/19/10	10/19/10	
Chromium	EPA 6010B-Diss	10J2165	0.0020	0.0050	0.0059	1	10/19/10	10/19/10	
Silver	EPA 6010B-Diss	10J2165	0.0060	0.010	ND	1	10/19/10	10/19/10	
Sample ID: ITJ1107-02 (NW-1 - Water)									
Reporting Units: mg/l									
Mercury	EPA 7470A-Diss	10J1430	0.00010	0.00020	ND	1	10/13/10	10/13/10	
Cadmium	EPA 6010B-Diss	10J2165	0.0020	0.0050	ND	1	10/19/10	10/19/10	
Chromium	EPA 6010B-Diss	10J2165	0.0020	0.0050	0.0074	1	10/19/10	10/19/10	
Silver	EPA 6010B-Diss	10J2165	0.0060	0.010	ND	1	10/19/10	10/19/10	
Sample ID: ITJ1107-03 (SW-1 - Water)									
Reporting Units: mg/l									
Mercury	EPA 7470A-Diss	10J1430	0.00010	0.00020	ND	1	10/13/10	10/13/10	
Cadmium	EPA 6010B-Diss	10J2165	0.0020	0.0050	ND	1	10/19/10	10/19/10	
Chromium	EPA 6010B-Diss	10J2165	0.0020	0.0050	0.0044	1	10/19/10	10/19/10	J
Silver	EPA 6010B-Diss	10J2165	0.0060	0.010	ND	1	10/19/10	10/19/10	
Sample ID: ITJ1107-04 (SE-1 - Water)									
Reporting Units: mg/l									
Mercury	EPA 7470A-Diss	10J1430	0.00010	0.00020	ND	1	10/13/10	10/13/10	
Cadmium	EPA 6010B-Diss	10J2165	0.0020	0.0050	ND	1	10/19/10	10/19/10	
Chromium	EPA 6010B-Diss	10J2165	0.0020	0.0050	0.0045	1	10/19/10	10/19/10	J
Silver	EPA 6010B-Diss	10J2165	0.0060	0.010	ND	1	10/19/10	10/19/10	
Sample ID: ITJ1107-05 (E-1 - Water)									
Reporting Units: mg/l									
Mercury	EPA 7470A-Diss	10J1430	0.00010	0.00020	ND	1	10/13/10	10/13/10	
Cadmium	EPA 6010B-Diss	10J2165	0.0020	0.0050	ND	1	10/19/10	10/19/10	
Chromium	EPA 6010B-Diss	10J2165	0.0020	0.0050	0.0060	1	10/19/10	10/19/10	
Silver	EPA 6010B-Diss	10J2165	0.0060	0.010	ND	1	10/19/10	10/19/10	
Sample ID: ITJ1107-06 (NE-1 - Water)									
Reporting Units: mg/l									
Mercury	EPA 7470A-Diss	10J1430	0.00010	0.00020	ND	1	10/13/10	10/13/10	
Cadmium	EPA 6010B-Diss	10J2165	0.0020	0.0050	ND	1	10/19/10	10/20/10	
Chromium	EPA 6010B-Diss	10J2165	0.0020	0.0050	0.0060	1	10/19/10	10/20/10	
Silver	EPA 6010B-Diss	10J2165	0.0060	0.010	ND	1	10/19/10	10/20/10	

TestAmerica Irvine
Sushmitha Reddy
Project Manager

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INORGANICS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Date Qualifiers
Sample ID: ITJ1107-01 (W-1 - Water)									
Reporting Units: mg/l									
Ammonia-N	SM4500NH3-D	10J2007	0.10	0.50	ND	1	10/18/10	10/18/10	
Total Cyanide	EPA 9014	10J1435	0.017	0.025	ND	1	10/13/10	10/13/10	
Nitrate-N	EPA 300.0	10J1192	3.0	5.5	15	50	10/12/10	10/12/10	M2
Nitrite-N	EPA 300.0	10J1192	0.090	0.15	ND	1	10/12/10	10/12/10	M1
Sulfate	EPA 300.0	10J1192	10	25	600	50	10/12/10	10/12/10	MHA
Sample ID: ITJ1107-02 (NW-1 - Water)									
Reporting Units: mg/l									
Ammonia-N	SM4500NH3-D	10J2007	0.10	0.50	ND	1	10/18/10	10/18/10	
Total Cyanide	EPA 9014	10J1435	0.017	0.025	ND	1	10/13/10	10/13/10	
Nitrate-N	EPA 300.0	10J1192	3.0	5.5	16	50	10/12/10	10/12/10	
Nitrite-N	EPA 300.0	10J1192	0.090	0.15	ND	1	10/12/10	10/12/10	
Sulfate	EPA 300.0	10J1192	10	25	380	50	10/12/10	10/12/10	
Sample ID: ITJ1107-03 (SW-1 - Water)									
Reporting Units: mg/l									
Ammonia-N	SM4500NH3-D	10J2007	0.10	0.50	ND	1	10/18/10	10/18/10	
Total Cyanide	EPA 9014	10J1435	0.017	0.025	ND	1	10/13/10	10/13/10	
Nitrate-N	EPA 300.0	10J1192	3.0	5.5	32	50	10/12/10	10/12/10	
Nitrite-N	EPA 300.0	10J1192	0.090	0.15	ND	1	10/12/10	10/12/10	
Sulfate	EPA 300.0	10J1192	10	25	390	50	10/12/10	10/12/10	
Sample ID: ITJ1107-04 (SE-1 - Water)									
Reporting Units: mg/l									
Ammonia-N	SM4500NH3-D	10J2007	0.10	0.50	ND	1	10/18/10	10/18/10	
Total Cyanide	EPA 9014	10J1435	0.017	0.025	ND	1	10/13/10	10/13/10	
Nitrate-N	EPA 300.0	10J1192	3.0	5.5	22	50	10/12/10	10/12/10	
Nitrite-N	EPA 300.0	10J1192	0.090	0.15	ND	1	10/12/10	10/12/10	
Sulfate	EPA 300.0	10J1192	10	25	100	50	10/12/10	10/12/10	
Sample ID: ITJ1107-05 (E-1 - Water)									
Reporting Units: mg/l									
Ammonia-N	SM4500NH3-D	10J2007	0.10	0.50	ND	1	10/18/10	10/18/10	
Total Cyanide	EPA 9014	10J1435	0.017	0.025	ND	1	10/13/10	10/13/10	
Nitrate-N	EPA 300.0	10J1192	3.0	5.5	26	50	10/12/10	10/12/10	
Nitrite-N	EPA 300.0	10J1192	0.090	0.15	ND	1	10/12/10	10/12/10	
Sulfate	EPA 300.0	10J1192	10	25	120	50	10/12/10	10/12/10	

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Sushmitha Reddy
Project Manager

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Received: 10/12/10

INORGANICS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Date Qualifiers
Sample ID: ITJ1107-06 (NE-1 - Water)									
Reporting Units: mg/l									
Ammonia-N	SM4500NH3-D	10J2007	0.10	0.50	ND	1	10/18/10	10/18/10	
Total Cyanide	EPA 9014	10J1435	0.017	0.025	ND	1	10/13/10	10/13/10	
Nitrate-N	EPA 300.0	10J1192	3.0	5.5	14	50	10/12/10	10/12/10	
Nitrite-N	EPA 300.0	10J1192	0.090	0.15	ND	1	10/12/10	10/12/10	
Sulfate	EPA 300.0	10J1192	10	25	270	50	10/12/10	10/12/10	
Sample ID: ITJ1107-01 (W-1 - Water)									
Reporting Units: pH Units									
pH	EPA 9040B	10J1379	0.100	0.100	7.63	1	10/13/10	10/13/10	HFT
Sample ID: ITJ1107-02 (NW-1 - Water)									
Reporting Units: pH Units									
pH	EPA 9040B	10J1379	0.100	0.100	7.49	1	10/13/10	10/13/10	HFT
Sample ID: ITJ1107-03 (SW-1 - Water)									
Reporting Units: pH Units									
pH	EPA 9040B	10J1379	0.100	0.100	7.58	1	10/13/10	10/13/10	HFT
Sample ID: ITJ1107-04 (SE-1 - Water)									
Reporting Units: pH Units									
pH	EPA 9040B	10J1379	0.100	0.100	6.13	1	10/13/10	10/13/10	HFT
Sample ID: ITJ1107-05 (E-1 - Water)									
Reporting Units: pH Units									
pH	EPA 9040B	10J1379	0.100	0.100	7.82	1	10/13/10	10/13/10	HFT
Sample ID: ITJ1107-06 (NE-1 - Water)									
Reporting Units: pH Units									
pH	EPA 9040B	10J1379	0.100	0.100	7.54	1	10/13/10	10/13/10	HFT

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Sushmitha Reddy
Project Manager

Geologica
303 La Jolla Drive
Newport Beach, CA 92663
Attention: Charles Wechsler

Project ID: Whittier GW Investigation
Report Number: ITJ1107

Sampled: 10/11/10
Received: 10/12/10

SHORT HOLD TIME DETAIL REPORT

	Hold Time (in days)	Date/Time Sampled	Date/Time Received	Date/Time Extracted	Date/Time Analyzed
Sample ID: W-1 (ITJ1107-01) - Water					
EPA 300.0 <i>Nitrite-N</i>	2	10/11/2010 12:50	10/12/2010 09:30	10/12/2010 14:00 10/12/2010 14:00	10/12/2010 15:57 10/12/2010 14:24
EPA 9040B	1	10/11/2010 12:50	10/12/2010 09:30	10/13/2010 08:10	10/13/2010 08:10
Filtration	1	10/11/2010 12:50	10/12/2010 09:30	10/12/2010 18:00	10/12/2010 18:00
Sample ID: NW-1 (ITJ1107-02) - Water					
EPA 300.0 <i>Nitrite-N</i>	2	10/11/2010 14:50	10/12/2010 09:30	10/12/2010 14:00 10/12/2010 14:00	10/12/2010 16:43 10/12/2010 14:39
EPA 9040B	1	10/11/2010 14:50	10/12/2010 09:30	10/13/2010 08:10	10/13/2010 08:10
Filtration	1	10/11/2010 14:50	10/12/2010 09:30	10/12/2010 18:00	10/12/2010 18:00
Sample ID: SW-1 (ITJ1107-03) - Water					
EPA 300.0 <i>Nitrite-N</i>	2	10/11/2010 15:50	10/12/2010 09:30	10/12/2010 14:00 10/12/2010 14:00	10/12/2010 18:15 10/12/2010 14:54
EPA 9040B	1	10/11/2010 15:50	10/12/2010 09:30	10/13/2010 08:10	10/13/2010 08:10
Filtration	1	10/11/2010 15:50	10/12/2010 09:30	10/12/2010 18:00	10/12/2010 18:00
Sample ID: SE-1 (ITJ1107-04) - Water					
EPA 300.0 <i>Nitrite-N</i>	2	10/11/2010 15:25	10/12/2010 09:30	10/12/2010 14:00 10/12/2010 14:00	10/12/2010 18:31 10/12/2010 15:11
EPA 9040B	1	10/11/2010 15:25	10/12/2010 09:30	10/13/2010 08:10	10/13/2010 08:10
Filtration	1	10/11/2010 15:25	10/12/2010 09:30	10/12/2010 18:00	10/12/2010 18:00
Sample ID: E-1 (ITJ1107-05) - Water					
EPA 300.0 <i>Nitrite-N</i>	2	10/11/2010 07:00	10/12/2010 09:30	10/12/2010 14:00 10/12/2010 14:00	10/12/2010 18:46 10/12/2010 15:26
EPA 9040B	1	10/11/2010 07:00	10/12/2010 09:30	10/13/2010 08:10	10/13/2010 08:10
Filtration	1	10/11/2010 07:00	10/12/2010 09:30	10/12/2010 18:00	10/12/2010 18:00
Sample ID: NE-1 (ITJ1107-06) - Water					
EPA 300.0 <i>Nitrite-N</i>	2	10/11/2010 07:45	10/12/2010 09:30	10/12/2010 14:00 10/12/2010 14:00	10/12/2010 19:01 10/12/2010 15:41
EPA 9040B	1	10/11/2010 07:45	10/12/2010 09:30	10/13/2010 08:10	10/13/2010 08:10
Filtration	1	10/11/2010 07:45	10/12/2010 09:30	10/12/2010 18:00	10/12/2010 18:00

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Sushmitha Reddy
Project Manager

Geologica
303 La Jolla Drive
Newport Beach, CA 92663
Attention: Charles Wechsler

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METHOD BLANK/QC DATA

EXTRACTABLE FUEL HYDROCARBONS (EPA 3510C/EPA 8015B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
<u>Batch: 10J1687 Extracted: 10/15/10</u>											
Blank Analyzed: 10/15/2010 (10J1687-BLK1)											
<i>EFH (C13 - C22)</i>											
EFH (C13 - C22)	ND	0.50	0.10	mg/l							
EFH (C23 - C32)	ND	0.50	0.10	mg/l							
EFH (C33 - C40)	ND	0.50	0.10	mg/l							
EFH (C10 - C28)	ND	0.50	0.10	mg/l							
<i>Surrogate: n-Octacosane</i>	0.204			mg/l	0.200			102	45-120		
LCS Analyzed: 10/15/2010 (10J1687-BS1)											
<i>EFH (C10 - C28)</i>											
EFH (C10 - C28)	0.801	0.50	0.10	mg/l	1.00			80	40-115		
<i>Surrogate: n-Octacosane</i>	0.196			mg/l	0.200			98	45-120		
LCS Dup Analyzed: 10/15/2010 (10J1687-BSD1)											
<i>EFH (C10 - C28)</i>											
EFH (C10 - C28)	0.799	0.50	0.10	mg/l	1.00			80	40-115	0.2	25
<i>Surrogate: n-Octacosane</i>	0.194			mg/l	0.200			97	45-120		
MNR1											

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Sushmitha Reddy
Project Manager

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Newport Beach, CA 92663
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METHOD BLANK/QC DATA

VOLATILE FUEL HYDROCARBONS BY GC/MS (CA LUFT)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
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Batch: 10J2770 Extracted: 10/23/10

Blank Analyzed: 10/23/2010 (10J2770-BLK1)

Volatile Fuel Hydrocarbons (C4-C12)	ND	100	30	ug/l						
Surrogate: Dibromofluoromethane	22.1			ug/l	25.0		89	80-120		
Surrogate: Toluene-d8	24.2			ug/l	25.0		97	80-120		
Surrogate: 4-Bromofluorobenzene	21.6			ug/l	25.0		86	80-120		

LCS Analyzed: 10/23/2010 (10J2770-BS2)

Volatile Fuel Hydrocarbons (C4-C12)	641	100	30	ug/l	500		128	55-130		
Surrogate: Dibromofluoromethane	23.7			ug/l	25.0		95	80-120		
Surrogate: Toluene-d8	24.3			ug/l	25.0		97	80-120		
Surrogate: 4-Bromofluorobenzene	22.9			ug/l	25.0		92	80-120		

Matrix Spike Analyzed: 10/23/2010 (10J2770-MS1)

Volatile Fuel Hydrocarbons (C4-C12)	1240	100	30	ug/l	1720	148	64	50-145		
Surrogate: Dibromofluoromethane	24.2			ug/l	25.0		97	80-120		
Surrogate: Toluene-d8	24.2			ug/l	25.0		97	80-120		
Surrogate: 4-Bromofluorobenzene	22.8			ug/l	25.0		91	80-120		

Matrix Spike Dup Analyzed: 10/23/2010 (10J2770-MSD1)

Volatile Fuel Hydrocarbons (C4-C12)	1260	100	30	ug/l	1720	148	64	50-145	1	20
Surrogate: Dibromofluoromethane	24.9			ug/l	25.0		100	80-120		
Surrogate: Toluene-d8	24.3			ug/l	25.0		97	80-120		
Surrogate: 4-Bromofluorobenzene	22.6			ug/l	25.0		90	80-120		

Batch: 10J2844 Extracted: 10/24/10

Blank Analyzed: 10/24/2010 (10J2844-BLK1)

Volatile Fuel Hydrocarbons (C4-C12)	ND	100	30	ug/l						
Surrogate: Dibromofluoromethane	24.0			ug/l	25.0		96	80-120		
Surrogate: Toluene-d8	24.6			ug/l	25.0		99	80-120		
Surrogate: 4-Bromofluorobenzene	21.4			ug/l	25.0		86	80-120		

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Sushmitha Reddy
Project Manager

Geologica
303 La Jolla Drive
Newport Beach, CA 92663
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METHOD BLANK/QC DATA

VOLATILE FUEL HYDROCARBONS BY GC/MS (CA LUFT)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
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Batch: 10J2844 Extracted: 10/24/10

LCS Analyzed: 10/24/2010 (10J2844-BS2)

Volatile Fuel Hydrocarbons (C4-C12)	430	100	30	ug/l	500		86	55-130			
Surrogate: Dibromofluoromethane	24.3			ug/l	25.0		97	80-120			
Surrogate: Toluene-d8	25.1			ug/l	25.0		101	80-120			
Surrogate: 4-Bromofluorobenzene	22.4			ug/l	25.0		90	80-120			

Matrix Spike Analyzed: 10/24/2010 (10J2844-MS1)

Source: ITJ1107-05

Volatile Fuel Hydrocarbons (C4-C12)	1250	100	30	ug/l	1720	ND	72	50-145			
Surrogate: Dibromofluoromethane	25.2			ug/l	25.0		101	80-120			
Surrogate: Toluene-d8	24.8			ug/l	25.0		99	80-120			
Surrogate: 4-Bromofluorobenzene	22.6			ug/l	25.0		90	80-120			

Matrix Spike Dup Analyzed: 10/24/2010 (10J2844-MSD1)

Source: ITJ1107-05

Volatile Fuel Hydrocarbons (C4-C12)	1140	100	30	ug/l	1720	ND	66	50-145	9	20	
Surrogate: Dibromofluoromethane	24.3			ug/l	25.0		97	80-120			
Surrogate: Toluene-d8	24.5			ug/l	25.0		98	80-120			
Surrogate: 4-Bromofluorobenzene	22.6			ug/l	25.0		90	80-120			

Batch: 10J2882 Extracted: 10/25/10

Blank Analyzed: 10/25/2010 (10J2882-BLK1)

Volatile Fuel Hydrocarbons (C4-C12)	ND	100	30	ug/l							
Surrogate: Dibromofluoromethane	22.0			ug/l	25.0		88	80-120			
Surrogate: Toluene-d8	24.1			ug/l	25.0		96	80-120			
Surrogate: 4-Bromofluorobenzene	22.1			ug/l	25.0		88	80-120			

LCS Analyzed: 10/25/2010 (10J2882-BS2)

Volatile Fuel Hydrocarbons (C4-C12)	363	100	30	ug/l	500		73	55-130			
Surrogate: Dibromofluoromethane	23.3			ug/l	25.0		93	80-120			
Surrogate: Toluene-d8	24.0			ug/l	25.0		96	80-120			
Surrogate: 4-Bromofluorobenzene	22.5			ug/l	25.0		90	80-120			

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Sushmitha Reddy
Project Manager

Geologica
303 La Jolla Drive
Newport Beach, CA 92663
Attention: Charles Wechsler

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Sampled: 10/11/10
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METHOD BLANK/QC DATA

VOLATILE FUEL HYDROCARBONS BY GC/MS (CA LUFT)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	RPD Limit	Data Qualifiers
<u>Batch: 10J2882 Extracted: 10/25/10</u>											
Matrix Spike Analyzed: 10/25/2010 (10J2882-MS1)											
Source: ITJ1107-02											
Volatile Fuel Hydrocarbons (C4-C12) 1520 100 30 ug/l 1720 408 65 50-145											
Surrogate: Dibromofluoromethane 23.9 ug/l 25.0 96 80-120											
Surrogate: Toluene-d8 24.2 ug/l 25.0 97 80-120											
Surrogate: 4-Bromofluorobenzene 22.6 ug/l 25.0 90 80-120											
Matrix Spike Dup Analyzed: 10/25/2010 (10J2882-MSD1)											
Source: ITJ1107-02											
Volatile Fuel Hydrocarbons (C4-C12) 1560 100 30 ug/l 1720 408 67 50-145 2 20											
Surrogate: Dibromofluoromethane 23.7 ug/l 25.0 95 80-120											
Surrogate: Toluene-d8 24.2 ug/l 25.0 97 80-120											
Surrogate: 4-Bromofluorobenzene 22.8 ug/l 25.0 91 80-120											

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Sushmitha Reddy
Project Manager

Geologica
303 La Jolla Drive
Newport Beach, CA 92663
Attention: Charles Wechsler

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METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
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Batch: 10J2770 Extracted: 10/23/10

Blank Analyzed: 10/23/2010 (10J2770-BLK1)

Acetone	ND	10	4.5	ug/l							
Benzene	ND	0.50	0.28	ug/l							
Bromochloromethane	ND	0.50	0.40	ug/l							
Bromodichloromethane	ND	0.50	0.30	ug/l							
Bromoform	ND	0.50	0.40	ug/l							
Bromomethane	ND	1.0	0.42	ug/l							
2-Butanone (MEK)	ND	5.0	4.7	ug/l							
Carbon Disulfide	ND	1.0	0.48	ug/l							
Carbon tetrachloride	ND	0.50	0.28	ug/l							
Chlorobenzene	ND	0.50	0.36	ug/l							
Chloroethane	ND	0.50	0.40	ug/l							
Chloroform	ND	0.50	0.33	ug/l							
Chloromethane	ND	0.50	0.40	ug/l							
1,2-Dibromo-3-chloropropane	ND	1.0	0.97	ug/l							
Dibromochloromethane	ND	0.50	0.40	ug/l							
1,2-Dibromoethane (EDB)	ND	1.0	0.40	ug/l							
1,2-Dichlorobenzene	ND	0.50	0.32	ug/l							
1,3-Dichlorobenzene	ND	0.50	0.35	ug/l							
1,4-Dichlorobenzene	ND	0.50	0.37	ug/l							
Dichlorodifluoromethane	ND	2.0	0.26	ug/l							
1,1-Dichloroethane	ND	0.50	0.40	ug/l							
1,2-Dichloroethane	ND	0.50	0.28	ug/l							
1,1-Dichloroethene	ND	0.50	0.42	ug/l							
cis-1,2-Dichloroethene	ND	0.50	0.32	ug/l							
trans-1,2-Dichloroethene	ND	0.50	0.30	ug/l							
1,2-Dichloropropane	ND	0.50	0.35	ug/l							
cis-1,3-Dichloropropene	ND	0.50	0.22	ug/l							
trans-1,3-Dichloropropene	ND	0.50	0.32	ug/l							
Ethylbenzene	ND	0.50	0.25	ug/l							
2-Hexanone	ND	5.0	2.6	ug/l							
Isopropylbenzene	ND	0.50	0.25	ug/l							
4-Methyl-2-pentanone (MIBK)	ND	5.0	3.5	ug/l							
Cyclohexane	ND	1.0	0.40	ug/l							
Methylene chloride	ND	1.0	0.95	ug/l							
Styrene	ND	0.50	0.20	ug/l							

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Sushmitha Reddy
Project Manager

Geologica
303 La Jolla Drive
Newport Beach, CA 92663
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METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
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Batch: 10J2770 Extracted: 10/23/10

Blank Analyzed: 10/23/2010 (10J2770-BLK1)

1,1,2,2-Tetrachloroethane	ND	0.50	0.30	ug/l							
Tetrachloroethene	ND	0.50	0.32	ug/l							
Toluene	ND	0.50	0.36	ug/l							
1,2,3-Trichlorobenzene	ND	0.50	0.30	ug/l							
1,2,4-Trichlorobenzene	ND	0.50	0.48	ug/l							
1,1,1-Trichloroethane	ND	0.50	0.30	ug/l							
1,1,2-Trichloroethane	ND	0.50	0.30	ug/l							
Trichloroethene	ND	0.50	0.26	ug/l							
Trichlorofluoromethane	ND	0.50	0.34	ug/l							
Trichlorotrifluoroethane (Freon 113)	ND	2.0	0.50	ug/l							
Vinyl chloride	ND	0.50	0.40	ug/l							
m,p-Xylenes	ND	1.0	0.60	ug/l							
o-Xylene	ND	1.0	0.30	ug/l							
Xylenes, Total	ND	1.0	0.90	ug/l							
Methyl-tert-butyl Ether (MTBE)	ND	0.50	0.32	ug/l							
<i>Surrogate: 4-Bromofluorobenzene</i>	21.6			ug/l	25.0		86	80-120			
<i>Surrogate: Dibromofluoromethane</i>	22.1			ug/l	25.0		89	80-120			
<i>Surrogate: Toluene-d8</i>	24.2			ug/l	25.0		97	80-120			

LCS Analyzed: 10/23/2010 (10J2770-BS1)

Acetone	29.5	10	4.5	ug/l	25.0		118	30-140			
Benzene	24.7	0.50	0.28	ug/l	25.0		99	70-120			
Bromochloromethane	25.3	0.50	0.40	ug/l	25.0		101	70-130			
Bromodichloromethane	26.2	0.50	0.30	ug/l	25.0		105	70-135			
Bromoform	22.8	0.50	0.40	ug/l	25.0		91	55-130			
Bromomethane	20.0	1.0	0.42	ug/l	25.0		80	65-140			
2-Butanone (MEK)	31.0	5.0	4.7	ug/l	25.0		124	40-140			
Carbon Disulfide	26.2	1.0	0.48	ug/l	25.0		105	50-130			
Carbon tetrachloride	27.6	0.50	0.28	ug/l	25.0		110	65-140			
Chlorobenzene	24.9	0.50	0.36	ug/l	25.0		100	75-120			
Chloroethane	21.0	0.50	0.40	ug/l	25.0		84	60-140			
Chloroform	23.7	0.50	0.33	ug/l	25.0		95	70-130			
Chloromethane	16.9	0.50	0.40	ug/l	25.0		68	50-140			
1,2-Dibromo-3-chloropropane	26.2	1.0	0.97	ug/l	25.0		105	50-135			
Dibromochloromethane	26.6	0.50	0.40	ug/l	25.0		106	70-140			
1,2-Dibromoethane (EDB)	25.8	1.0	0.40	ug/l	25.0		103	75-125			

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Sushmitha Reddy
Project Manager

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Newport Beach, CA 92663
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Received: 10/12/10

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10J2770 Extracted: 10/23/10											
LCS Analyzed: 10/23/2010 (10J2770-BS1)											
1,2-Dichlorobenzene	26.1	0.50	0.32	ug/l	25.0		104	75-120			
1,3-Dichlorobenzene	26.0	0.50	0.35	ug/l	25.0		104	75-120			
1,4-Dichlorobenzene	25.6	0.50	0.37	ug/l	25.0		103	75-120			
Dichlorodifluoromethane	13.0	2.0	0.26	ug/l	25.0		52	35-155			
1,1-Dichloroethane	23.9	0.50	0.40	ug/l	25.0		96	70-125			
1,2-Dichloroethane	25.4	0.50	0.28	ug/l	25.0		102	60-140			
1,1-Dichloroethene	25.4	0.50	0.42	ug/l	25.0		101	70-125			
cis-1,2-Dichloroethene	25.9	0.50	0.32	ug/l	25.0		104	70-125			
trans-1,2-Dichloroethene	25.7	0.50	0.30	ug/l	25.0		103	70-125			
1,2-Dichloropropane	25.5	0.50	0.35	ug/l	25.0		102	70-125			
cis-1,3-Dichloropropene	26.6	0.50	0.22	ug/l	25.0		107	75-125			
trans-1,3-Dichloropropene	27.6	0.50	0.32	ug/l	25.0		110	70-125			
Ethylbenzene	26.4	0.50	0.25	ug/l	25.0		106	75-125			
2-Hexanone	27.9	5.0	2.6	ug/l	25.0		112	45-140			
Isopropylbenzene	26.5	0.50	0.25	ug/l	25.0		106	75-130			
4-Methyl-2-pentanone (MIBK)	26.8	5.0	3.5	ug/l	25.0		107	45-140			
Methylene chloride	22.5	1.0	0.95	ug/l	25.0		90	55-130			
Styrene	27.5	0.50	0.20	ug/l	25.0		110	75-130			
1,1,2,2-Tetrachloroethane	26.2	0.50	0.30	ug/l	25.0		105	55-130			
Tetrachloroethene	26.0	0.50	0.32	ug/l	25.0		104	70-125			
Toluene	25.7	0.50	0.36	ug/l	25.0		103	70-120			
1,2,3-Trichlorobenzene	27.0	0.50	0.30	ug/l	25.0		108	65-125			
1,2,4-Trichlorobenzene	28.2	0.50	0.48	ug/l	25.0		113	70-135			
1,1,1-Trichloroethane	25.8	0.50	0.30	ug/l	25.0		103	65-135			
1,1,2-Trichloroethane	25.3	0.50	0.30	ug/l	25.0		101	70-125			
Trichloroethene	26.0	0.50	0.26	ug/l	25.0		104	70-125			
Trichlorofluoromethane	25.7	0.50	0.34	ug/l	25.0		103	65-145			
Vinyl chloride	20.7	0.50	0.40	ug/l	25.0		83	55-135			
m,p-Xylenes	55.7	1.0	0.60	ug/l	50.0		111	75-125			
o-Xylene	28.2	1.0	0.30	ug/l	25.0		113	75-125			
Methyl-tert-butyl Ether (MTBE)	24.0	0.50	0.32	ug/l	25.0		96	60-135			
Surrogate: 4-Bromofluorobenzene	22.2			ug/l	25.0		89	80-120			
Surrogate: Dibromofluoromethane	23.1			ug/l	25.0		92	80-120			
Surrogate: Toluene-d8	24.5			ug/l	25.0		98	80-120			

TestAmerica Irvine

Sushmitha Reddy
Project Manager

Geologica
303 La Jolla Drive
Newport Beach, CA 92663
Attention: Charles Wechsler

Project ID: Whittier GW Investigation
Report Number: ITJ1107

Sampled: 10/11/10
Received: 10/12/10

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10J2770 Extracted: 10/23/10											
Matrix Spike Analyzed: 10/23/2010 (10J2770-MS1)											
Source: ITJ1107-01											
Acetone	13.7	10	4.5	ug/l	25.0	ND	55	20-150			
Benzene	24.1	0.50	0.28	ug/l	25.0	ND	96	65-125			
Bromochloromethane	24.8	0.50	0.40	ug/l	25.0	ND	99	65-135			
Bromodichloromethane	26.5	0.50	0.30	ug/l	25.0	ND	106	70-135			
Bromoform	21.4	0.50	0.40	ug/l	25.0	ND	86	55-135			
Bromomethane	20.3	1.0	0.42	ug/l	25.0	ND	81	55-145			
2-Butanone (MEK)	18.4	5.0	4.7	ug/l	25.0	ND	74	30-145			
Carbon Disulfide	21.7	1.0	0.48	ug/l	25.0	ND	87	40-140			
Carbon tetrachloride	24.6	0.50	0.28	ug/l	25.0	ND	98	65-140			
Chlorobenzene	24.1	0.50	0.36	ug/l	25.0	ND	96	75-125			
Chloroethane	20.9	0.50	0.40	ug/l	25.0	ND	84	55-140			
Chloroform	33.2	0.50	0.33	ug/l	25.0	9.20	96	65-135			
Chloromethane	19.2	0.50	0.40	ug/l	25.0	ND	77	45-145			
1,2-Dibromo-3-chloropropane	20.4	1.0	0.97	ug/l	25.0	ND	82	45-145			
Dibromochloromethane	25.8	0.50	0.40	ug/l	25.0	ND	103	65-140			
1,2-Dibromoethane (EDB)	24.1	1.0	0.40	ug/l	25.0	ND	96	70-130			
1,2-Dichlorobenzene	24.6	0.50	0.32	ug/l	25.0	ND	99	75-125			
1,3-Dichlorobenzene	24.9	0.50	0.35	ug/l	25.0	ND	100	75-125			
1,4-Dichlorobenzene	24.3	0.50	0.37	ug/l	25.0	ND	97	75-125			
Dichlorodifluoromethane	16.4	2.0	0.26	ug/l	25.0	ND	66	25-155			
1,1-Dichloroethane	24.5	0.50	0.40	ug/l	25.0	ND	98	65-130			
1,2-Dichloroethane	26.8	0.50	0.28	ug/l	25.0	2.08	99	60-140			
1,1-Dichloroethene	76.5	0.50	0.42	ug/l	25.0	50.0	106	60-130			
cis-1,2-Dichloroethene	27.0	0.50	0.32	ug/l	25.0	0.660	105	65-130			
trans-1,2-Dichloroethene	25.2	0.50	0.30	ug/l	25.0	ND	101	65-130			
1,2-Dichloropropane	25.2	0.50	0.35	ug/l	25.0	ND	101	65-130			
cis-1,3-Dichloropropene	26.4	0.50	0.22	ug/l	25.0	ND	105	70-130			
trans-1,3-Dichloropropene	27.3	0.50	0.32	ug/l	25.0	ND	109	65-135			
Ethylbenzene	25.1	0.50	0.25	ug/l	25.0	ND	101	65-130			
2-Hexanone	19.1	5.0	2.6	ug/l	25.0	ND	76	25-140			
Isopropylbenzene	23.6	0.50	0.25	ug/l	25.0	ND	94	70-135			
4-Methyl-2-pentanone (MIBK)	22.0	5.0	3.5	ug/l	25.0	ND	88	40-140			
Methylene chloride	24.2	1.0	0.95	ug/l	25.0	ND	97	50-135			
Styrene	24.4	0.50	0.20	ug/l	25.0	ND	98	50-145			
1,1,2,2-Tetrachloroethane	22.6	0.50	0.30	ug/l	25.0	ND	90	55-135			

TestAmerica Irvine

Sushmitha Reddy
Project Manager

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303 La Jolla Drive
Newport Beach, CA 92663
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Sampled: 10/11/10
Received: 10/12/10

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
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Batch: 10J2770 Extracted: 10/23/10

Matrix Spike Analyzed: 10/23/2010 (10J2770-MS1)

Source: ITJ1107-01

Tetrachloroethene	85.3	0.50	0.32	ug/l	25.0	60.7	98	65-130
Toluene	24.6	0.50	0.36	ug/l	25.0	ND	99	70-125
1,2,3-Trichlorobenzene	25.4	0.50	0.30	ug/l	25.0	ND	102	60-135
1,2,4-Trichlorobenzene	27.2	0.50	0.48	ug/l	25.0	ND	109	65-135
1,1,1-Trichloroethane	24.2	0.50	0.30	ug/l	25.0	ND	97	65-140
1,1,2-Trichloroethane	24.3	0.50	0.30	ug/l	25.0	ND	97	65-130
Trichloroethene	54.9	0.50	0.26	ug/l	25.0	30.4	98	65-125
Trichlorofluoromethane	50.4	0.50	0.34	ug/l	25.0	24.8	102	60-145
Vinyl chloride	22.1	0.50	0.40	ug/l	25.0	ND	88	45-140
m,p-Xylenes	52.3	1.0	0.60	ug/l	50.0	ND	105	65-130
o-Xylene	26.6	1.0	0.30	ug/l	25.0	ND	107	65-125
Methyl-tert-butyl Ether (MTBE)	24.1	0.50	0.32	ug/l	25.0	0.420	95	55-145
<i>Surrogate: 4-Bromofluorobenzene</i>	22.8			ug/l	25.0		91	80-120
<i>Surrogate: Dibromofluoromethane</i>	24.2			ug/l	25.0		97	80-120
<i>Surrogate: Toluene-d8</i>	24.2			ug/l	25.0		97	80-120

Matrix Spike Dup Analyzed: 10/23/2010 (10J2770-MSD1)

Source: ITJ1107-01

Acetone	16.0	10	4.5	ug/l	25.0	ND	64	20-150	16	35
Benzene	23.7	0.50	0.28	ug/l	25.0	ND	95	65-125	2	20
Bromochloromethane	26.4	0.50	0.40	ug/l	25.0	ND	106	65-135	6	25
Bromodichloromethane	26.7	0.50	0.30	ug/l	25.0	ND	107	70-135	0.8	20
Bromoform	22.2	0.50	0.40	ug/l	25.0	ND	89	55-135	4	25
Bromomethane	20.7	1.0	0.42	ug/l	25.0	ND	83	55-145	2	25
2-Butanone (MEK)	20.8	5.0	4.7	ug/l	25.0	ND	83	30-145	12	40
Carbon Disulfide	21.9	1.0	0.48	ug/l	25.0	ND	88	40-140	1	20
Carbon tetrachloride	25.1	0.50	0.28	ug/l	25.0	ND	100	65-140	2	25
Chlorobenzene	23.8	0.50	0.36	ug/l	25.0	ND	95	75-125	1	20
Chloroethane	21.0	0.50	0.40	ug/l	25.0	ND	84	55-140	0.5	25
Chloroform	34.6	0.50	0.33	ug/l	25.0	9.20	102	65-135	4	20
Chloromethane	19.0	0.50	0.40	ug/l	25.0	ND	76	45-145	1	25
1,2-Dibromo-3-chloropropane	21.8	1.0	0.97	ug/l	25.0	ND	87	45-145	7	30
Dibromochloromethane	26.6	0.50	0.40	ug/l	25.0	ND	106	65-140	3	25
1,2-Dibromoethane (EDB)	25.0	1.0	0.40	ug/l	25.0	ND	100	70-130	3	25
1,2-Dichlorobenzene	24.9	0.50	0.32	ug/l	25.0	ND	100	75-125	1	20
1,3-Dichlorobenzene	24.7	0.50	0.35	ug/l	25.0	ND	99	75-125	0.7	20
1,4-Dichlorobenzene	24.2	0.50	0.37	ug/l	25.0	ND	97	75-125	0.7	20

TestAmerica Irvine

Sushmitha Reddy
Project Manager

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METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10J2770 Extracted: 10/23/10											
Matrix Spike Dup Analyzed: 10/23/2010 (10J2770-MSD1)											
Source: ITJ1107-01											
Dichlorodifluoromethane	16.4	2.0	0.26	ug/l	25.0	ND	66	25-155	0.3	30	
1,1-Dichloroethane	24.7	0.50	0.40	ug/l	25.0	ND	99	65-130	0.9	20	
1,2-Dichloroethane	27.5	0.50	0.28	ug/l	25.0	2.08	102	60-140	3	20	
1,1-Dichloroethene	77.8	0.50	0.42	ug/l	25.0	50.0	111	60-130	2	20	
cis-1,2-Dichloroethene	27.4	0.50	0.32	ug/l	25.0	0.660	107	65-130	1	20	
trans-1,2-Dichloroethene	25.5	0.50	0.30	ug/l	25.0	ND	102	65-130	1	20	
1,2-Dichloropropane	25.2	0.50	0.35	ug/l	25.0	ND	101	65-130	0.2	20	
cis-1,3-Dichloropropene	26.2	0.50	0.22	ug/l	25.0	ND	105	70-130	0.8	20	
trans-1,3-Dichloropropene	28.0	0.50	0.32	ug/l	25.0	ND	112	65-135	3	25	
Ethylbenzene	24.5	0.50	0.25	ug/l	25.0	ND	98	65-130	3	20	
2-Hexanone	21.0	5.0	2.6	ug/l	25.0	ND	84	25-140	10	35	
Isopropylbenzene	23.5	0.50	0.25	ug/l	25.0	ND	94	70-135	0.2	20	
4-Methyl-2-pentanone (MIBK)	23.8	5.0	3.5	ug/l	25.0	ND	95	40-140	8	35	
Methylene chloride	25.1	1.0	0.95	ug/l	25.0	ND	100	50-135	4	20	
Styrene	23.3	0.50	0.20	ug/l	25.0	ND	93	50-145	5	30	
1,1,2,2-Tetrachloroethane	23.5	0.50	0.30	ug/l	25.0	ND	94	55-135	4	30	
Tetrachloroethene	85.6	0.50	0.32	ug/l	25.0	60.7	100	65-130	0.3	20	
Toluene	24.4	0.50	0.36	ug/l	25.0	ND	98	70-125	0.8	20	
1,2,3-Trichlorobenzene	26.4	0.50	0.30	ug/l	25.0	ND	106	60-135	4	20	
1,2,4-Trichlorobenzene	26.9	0.50	0.48	ug/l	25.0	ND	108	65-135	1	20	
1,1,1-Trichloroethane	24.9	0.50	0.30	ug/l	25.0	ND	100	65-140	3	20	
1,1,2-Trichloroethane	24.5	0.50	0.30	ug/l	25.0	ND	98	65-130	0.8	25	
Trichloroethene	55.4	0.50	0.26	ug/l	25.0	30.4	100	65-125	1	20	
Trichlorofluoromethane	52.2	0.50	0.34	ug/l	25.0	24.8	110	60-145	4	25	
Vinyl chloride	22.0	0.50	0.40	ug/l	25.0	ND	88	45-140	0.4	30	
m,p-Xylenes	52.0	1.0	0.60	ug/l	50.0	ND	104	65-130	0.6	25	
o-Xylene	26.2	1.0	0.30	ug/l	25.0	ND	105	65-125	2	20	
Methyl-tert-butyl Ether (MTBE)	26.2	0.50	0.32	ug/l	25.0	0.420	103	55-145	8	25	
Surrogate: 4-Bromofluorobenzene	22.6			ug/l	25.0		90	80-120			
Surrogate: Dibromofluoromethane	24.9			ug/l	25.0		100	80-120			
Surrogate: Toluene-d8	24.3			ug/l	25.0		97	80-120			

TestAmerica Irvine

Sushmitha Reddy
Project Manager

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METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
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Batch: 10J2844 Extracted: 10/24/10

Blank Analyzed: 10/24/2010 (10J2844-BLK1)

Acetone	ND	10	4.5	ug/l							
Benzene	ND	0.50	0.28	ug/l							
Bromochloromethane	ND	0.50	0.40	ug/l							
Bromodichloromethane	ND	0.50	0.30	ug/l							
Bromoform	ND	0.50	0.40	ug/l							
Bromomethane	ND	1.0	0.42	ug/l							
2-Butanone (MEK)	ND	5.0	4.7	ug/l							
Carbon Disulfide	ND	1.0	0.48	ug/l							
Carbon tetrachloride	ND	0.50	0.28	ug/l							
Chlorobenzene	ND	0.50	0.36	ug/l							
Chloroethane	ND	0.50	0.40	ug/l							
Chloroform	ND	0.50	0.33	ug/l							
Chloromethane	ND	0.50	0.40	ug/l							
1,2-Dibromo-3-chloropropane	ND	1.0	0.97	ug/l							
Dibromochloromethane	ND	0.50	0.40	ug/l							
1,2-Dibromoethane (EDB)	ND	1.0	0.40	ug/l							
1,2-Dichlorobenzene	ND	0.50	0.32	ug/l							
1,3-Dichlorobenzene	ND	0.50	0.35	ug/l							
1,4-Dichlorobenzene	ND	0.50	0.37	ug/l							
Dichlorodifluoromethane	ND	2.0	0.26	ug/l							
1,1-Dichloroethane	ND	0.50	0.40	ug/l							
1,2-Dichloroethane	ND	0.50	0.28	ug/l							
1,1-Dichloroethene	ND	0.50	0.42	ug/l							
cis-1,2-Dichloroethene	ND	0.50	0.32	ug/l							
trans-1,2-Dichloroethene	ND	0.50	0.30	ug/l							
1,2-Dichloropropane	ND	0.50	0.35	ug/l							
cis-1,3-Dichloropropene	ND	0.50	0.22	ug/l							
trans-1,3-Dichloropropene	ND	0.50	0.32	ug/l							
Ethylbenzene	ND	0.50	0.25	ug/l							
2-Hexanone	ND	5.0	2.6	ug/l							
Isopropylbenzene	ND	0.50	0.25	ug/l							
4-Methyl-2-pentanone (MIBK)	ND	5.0	3.5	ug/l							
Cyclohexane	ND	1.0	0.40	ug/l							
Methylene chloride	ND	1.0	0.95	ug/l							
Styrene	ND	0.50	0.20	ug/l							

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Project Manager

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METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
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Batch: 10J2844 Extracted: 10/24/10

Blank Analyzed: 10/24/2010 (10J2844-BLK1)

1,1,2,2-Tetrachloroethane	ND	0.50	0.30	ug/l						
Tetrachloroethene	ND	0.50	0.32	ug/l						
Toluene	ND	0.50	0.36	ug/l						
1,2,3-Trichlorobenzene	ND	0.50	0.30	ug/l						
1,2,4-Trichlorobenzene	ND	0.50	0.48	ug/l						
1,1,1-Trichloroethane	ND	0.50	0.30	ug/l						
1,1,2-Trichloroethane	ND	0.50	0.30	ug/l						
Trichloroethene	ND	0.50	0.26	ug/l						
Trichlorofluoromethane	ND	0.50	0.34	ug/l						
Trichlorotrifluoroethane (Freon 113)	ND	2.0	0.50	ug/l						
Vinyl chloride	ND	0.50	0.40	ug/l						
m,p-Xylenes	ND	1.0	0.60	ug/l						
o-Xylene	ND	1.0	0.30	ug/l						
Xylenes, Total	ND	1.0	0.90	ug/l						
Methyl-tert-butyl Ether (MTBE)	ND	0.50	0.32	ug/l						
Surrogate: 4-Bromofluorobenzene	21.4			ug/l	25.0		86	80-120		
Surrogate: Dibromofluoromethane	24.0			ug/l	25.0		96	80-120		
Surrogate: Toluene-d8	24.6			ug/l	25.0		99	80-120		

LCS Analyzed: 10/24/2010 (10J2844-BS1)

Acetone	27.0	10	4.5	ug/l	25.0		108	30-140		
Benzene	25.6	0.50	0.28	ug/l	25.0		102	70-120		
Bromochloromethane	26.2	0.50	0.40	ug/l	25.0		105	70-130		
Bromodichloromethane	25.9	0.50	0.30	ug/l	25.0		104	70-135		
Bromoform	22.6	0.50	0.40	ug/l	25.0		91	55-130		
Bromomethane	22.7	1.0	0.42	ug/l	25.0		91	65-140		
2-Butanone (MEK)	33.0	5.0	4.7	ug/l	25.0		132	40-140		
Carbon Disulfide	24.9	1.0	0.48	ug/l	25.0		99	50-130		
Carbon tetrachloride	24.4	0.50	0.28	ug/l	25.0		98	65-140		
Chlorobenzene	24.4	0.50	0.36	ug/l	25.0		98	75-120		
Chloroethane	24.2	0.50	0.40	ug/l	25.0		97	60-140		
Chloroform	25.1	0.50	0.33	ug/l	25.0		100	70-130		
Chloromethane	22.1	0.50	0.40	ug/l	25.0		89	50-140		
1,2-Dibromo-3-chloropropane	25.0	1.0	0.97	ug/l	25.0		100	50-135		
Dibromochloromethane	26.6	0.50	0.40	ug/l	25.0		107	70-140		
1,2-Dibromoethane (EDB)	26.4	1.0	0.40	ug/l	25.0		106	75-125		

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Sushmitha Reddy
Project Manager

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METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10J2844 Extracted: 10/24/10											
LCS Analyzed: 10/24/2010 (10J2844-BS1)											
1,2-Dichlorobenzene	24.7	0.50	0.32	ug/l	25.0		99	75-120			
1,3-Dichlorobenzene	24.8	0.50	0.35	ug/l	25.0		99	75-120			
1,4-Dichlorobenzene	24.3	0.50	0.37	ug/l	25.0		97	75-120			
Dichlorodifluoromethane	18.1	2.0	0.26	ug/l	25.0		72	35-155			
1,1-Dichloroethane	26.0	0.50	0.40	ug/l	25.0		104	70-125			
1,2-Dichloroethane	24.7	0.50	0.28	ug/l	25.0		99	60-140			
1,1-Dichloroethene	27.2	0.50	0.42	ug/l	25.0		109	70-125			
cis-1,2-Dichloroethene	27.7	0.50	0.32	ug/l	25.0		111	70-125			
trans-1,2-Dichloroethene	27.2	0.50	0.30	ug/l	25.0		109	70-125			
1,2-Dichloropropane	26.6	0.50	0.35	ug/l	25.0		107	70-125			
cis-1,3-Dichloropropene	27.0	0.50	0.22	ug/l	25.0		108	75-125			
trans-1,3-Dichloropropene	28.0	0.50	0.32	ug/l	25.0		112	70-125			
Ethylbenzene	25.7	0.50	0.25	ug/l	25.0		103	75-125			
2-Hexanone	28.6	5.0	2.6	ug/l	25.0		115	45-140			
Isopropylbenzene	24.6	0.50	0.25	ug/l	25.0		99	75-130			
4-Methyl-2-pentanone (MIBK)	28.7	5.0	3.5	ug/l	25.0		115	45-140			
Methylene chloride	25.6	1.0	0.95	ug/l	25.0		102	55-130			
Styrene	26.2	0.50	0.20	ug/l	25.0		105	75-130			
1,1,2,2-Tetrachloroethane	27.4	0.50	0.30	ug/l	25.0		110	55-130			
Tetrachloroethene	23.6	0.50	0.32	ug/l	25.0		94	70-125			
Toluene	25.4	0.50	0.36	ug/l	25.0		102	70-120			
1,2,3-Trichlorobenzene	25.4	0.50	0.30	ug/l	25.0		101	65-125			
1,2,4-Trichlorobenzene	25.8	0.50	0.48	ug/l	25.0		103	70-135			
1,1,1-Trichloroethane	24.8	0.50	0.30	ug/l	25.0		99	65-135			
1,1,2-Trichloroethane	26.8	0.50	0.30	ug/l	25.0		107	70-125			
Trichloroethene	25.1	0.50	0.26	ug/l	25.0		100	70-125			
Trichlorofluoromethane	25.6	0.50	0.34	ug/l	25.0		103	65-145			
Vinyl chloride	24.7	0.50	0.40	ug/l	25.0		99	55-135			
m,p-Xylenes	53.6	1.0	0.60	ug/l	50.0		107	75-125			
o-Xylene	27.5	1.0	0.30	ug/l	25.0		110	75-125			
Methyl-tert-butyl Ether (MTBE)	25.8	0.50	0.32	ug/l	25.0		103	60-135			
Surrogate: 4-Bromofluorobenzene	22.8			ug/l	25.0		91	80-120			
Surrogate: Dibromofluoromethane	24.5			ug/l	25.0		98	80-120			
Surrogate: Toluene-d8	25.0			ug/l	25.0		100	80-120			

TestAmerica Irvine

Sushmitha Reddy
Project Manager

Geologica
303 La Jolla Drive
Newport Beach, CA 92663
Attention: Charles Wechsler

Project ID: Whittier GW Investigation
Report Number: ITJ1107

Sampled: 10/11/10
Received: 10/12/10

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10J2844 Extracted: 10/24/10											
Matrix Spike Analyzed: 10/24/2010 (10J2844-MS1)											
Source: ITJ1107-05											
Acetone	18.6	10	4.5	ug/l	25.0	ND	74	20-150			
Benzene	26.7	0.50	0.28	ug/l	25.0	ND	107	65-125			
Bromochloromethane	28.8	0.50	0.40	ug/l	25.0	ND	115	65-135			
Bromodichloromethane	28.6	0.50	0.30	ug/l	25.0	ND	115	70-135			
Bromoform	24.0	0.50	0.40	ug/l	25.0	0.610	93	55-135			
Bromomethane	24.1	1.0	0.42	ug/l	25.0	ND	96	55-145			
2-Butanone (MEK)	27.7	5.0	4.7	ug/l	25.0	ND	111	30-145			
Carbon Disulfide	25.9	1.0	0.48	ug/l	25.0	ND	104	40-140			
Carbon tetrachloride	25.4	0.50	0.28	ug/l	25.0	ND	101	65-140			
Chlorobenzene	25.4	0.50	0.36	ug/l	25.0	ND	101	75-125			
Chloroethane	25.7	0.50	0.40	ug/l	25.0	ND	103	55-140			
Chloroform	27.5	0.50	0.33	ug/l	25.0	0.340	109	65-135			
Chloromethane	22.6	0.50	0.40	ug/l	25.0	ND	91	45-145			
1,2-Dibromo-3-chloropropane	26.6	1.0	0.97	ug/l	25.0	ND	106	45-145			
Dibromochloromethane	28.1	0.50	0.40	ug/l	25.0	ND	112	65-140			
1,2-Dibromoethane (EDB)	28.0	1.0	0.40	ug/l	25.0	ND	112	70-130			
1,2-Dichlorobenzene	26.6	0.50	0.32	ug/l	25.0	ND	106	75-125			
1,3-Dichlorobenzene	26.4	0.50	0.35	ug/l	25.0	ND	106	75-125			
1,4-Dichlorobenzene	25.9	0.50	0.37	ug/l	25.0	ND	104	75-125			
Dichlorodifluoromethane	18.8	2.0	0.26	ug/l	25.0	ND	75	25-155			
1,1-Dichloroethane	27.5	0.50	0.40	ug/l	25.0	ND	110	65-130			
1,2-Dichloroethane	26.8	0.50	0.28	ug/l	25.0	ND	107	60-140			
1,1-Dichloroethene	32.8	0.50	0.42	ug/l	25.0	5.10	111	60-130			
cis-1,2-Dichloroethene	30.2	0.50	0.32	ug/l	25.0	ND	121	65-130			
trans-1,2-Dichloroethene	28.9	0.50	0.30	ug/l	25.0	ND	116	65-130			
1,2-Dichloropropane	28.8	0.50	0.35	ug/l	25.0	ND	115	65-130			
cis-1,3-Dichloropropene	29.0	0.50	0.22	ug/l	25.0	ND	116	70-130			
trans-1,3-Dichloropropene	30.4	0.50	0.32	ug/l	25.0	ND	122	65-135			
Ethylbenzene	26.4	0.50	0.25	ug/l	25.0	ND	106	65-130			
2-Hexanone	27.4	5.0	2.6	ug/l	25.0	ND	110	25-140			
Isopropylbenzene	25.0	0.50	0.25	ug/l	25.0	ND	100	70-135			
4-Methyl-2-pentanone (MIBK)	30.4	5.0	3.5	ug/l	25.0	ND	121	40-140			
Methylene chloride	29.2	1.0	0.95	ug/l	25.0	1.63	110	50-135			
Styrene	23.7	0.50	0.20	ug/l	25.0	ND	95	50-145			
1,1,2,2-Tetrachloroethane	29.2	0.50	0.30	ug/l	25.0	ND	117	55-135			

TestAmerica Irvine

Sushmitha Reddy
Project Manager

Geologica
303 La Jolla Drive
Newport Beach, CA 92663
Attention: Charles Wechsler

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Sampled: 10/11/10
Received: 10/12/10

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
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Batch: 10J2844 Extracted: 10/24/10

Matrix Spike Analyzed: 10/24/2010 (10J2844-MS1)

Source: ITJ1107-05

Tetrachloroethene	33.7	0.50	0.32	ug/l	25.0	9.89	95	65-130
Toluene	26.8	0.50	0.36	ug/l	25.0	ND	107	70-125
1,2,3-Trichlorobenzene	28.0	0.50	0.30	ug/l	25.0	ND	112	60-135
1,2,4-Trichlorobenzene	28.7	0.50	0.48	ug/l	25.0	ND	115	65-135
1,1,1-Trichloroethane	26.1	0.50	0.30	ug/l	25.0	ND	104	65-140
1,1,2-Trichloroethane	28.8	0.50	0.30	ug/l	25.0	ND	115	65-130
Trichloroethene	33.8	0.50	0.26	ug/l	25.0	8.48	101	65-125
Trichlorofluoromethane	29.9	0.50	0.34	ug/l	25.0	3.10	107	60-145
Vinyl chloride	25.1	0.50	0.40	ug/l	25.0	ND	101	45-140
m,p-Xylenes	55.4	1.0	0.60	ug/l	50.0	ND	111	65-130
o-Xylene	28.2	1.0	0.30	ug/l	25.0	ND	113	65-125
Methyl-tert-butyl Ether (MTBE)	28.6	0.50	0.32	ug/l	25.0	ND	114	55-145
<i>Surrogate: 4-Bromofluorobenzene</i>	22.6			ug/l	25.0		90	80-120
<i>Surrogate: Dibromofluoromethane</i>	25.2			ug/l	25.0		101	80-120
<i>Surrogate: Toluene-d8</i>	24.8			ug/l	25.0		99	80-120

Matrix Spike Dup Analyzed: 10/24/2010 (10J2844-MSD1)

Source: ITJ1107-05

Acetone	15.6	10	4.5	ug/l	25.0	ND	63	20-150	17	35
Benzene	25.1	0.50	0.28	ug/l	25.0	ND	100	65-125	6	20
Bromochloromethane	26.1	0.50	0.40	ug/l	25.0	ND	104	65-135	10	25
Bromodichloromethane	26.4	0.50	0.30	ug/l	25.0	ND	106	70-135	8	20
Bromoform	22.3	0.50	0.40	ug/l	25.0	0.610	87	55-135	7	25
Bromomethane	22.0	1.0	0.42	ug/l	25.0	ND	88	55-145	9	25
2-Butanone (MEK)	23.0	5.0	4.7	ug/l	25.0	ND	92	30-145	18	40
Carbon Disulfide	23.6	1.0	0.48	ug/l	25.0	ND	94	40-140	9	20
Carbon tetrachloride	24.1	0.50	0.28	ug/l	25.0	ND	96	65-140	5	25
Chlorobenzene	24.3	0.50	0.36	ug/l	25.0	ND	97	75-125	4	20
Chloroethane	22.9	0.50	0.40	ug/l	25.0	ND	92	55-140	11	25
Chloroform	25.3	0.50	0.33	ug/l	25.0	0.340	100	65-135	8	20
Chloromethane	20.5	0.50	0.40	ug/l	25.0	ND	82	45-145	10	25
1,2-Dibromo-3-chloropropane	22.5	1.0	0.97	ug/l	25.0	ND	90	45-145	16	30
Dibromochloromethane	26.3	0.50	0.40	ug/l	25.0	ND	105	65-140	7	25
1,2-Dibromoethane (EDB)	25.7	1.0	0.40	ug/l	25.0	ND	103	70-130	9	25
1,2-Dichlorobenzene	25.4	0.50	0.32	ug/l	25.0	ND	101	75-125	5	20
1,3-Dichlorobenzene	25.3	0.50	0.35	ug/l	25.0	ND	101	75-125	4	20
1,4-Dichlorobenzene	24.7	0.50	0.37	ug/l	25.0	ND	99	75-125	5	20

TestAmerica Irvine

Sushmitha Reddy
Project Manager

Geologica
303 La Jolla Drive
Newport Beach, CA 92663
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METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10J2844 Extracted: 10/24/10											
Matrix Spike Dup Analyzed: 10/24/2010 (10J2844-MSD1)											
Source: ITJ1107-05											
Dichlorodifluoromethane	16.9	2.0	0.26	ug/l	25.0	ND	67	25-155	11	30	
1,1-Dichloroethane	25.4	0.50	0.40	ug/l	25.0	ND	102	65-130	8	20	
1,2-Dichloroethane	24.6	0.50	0.28	ug/l	25.0	ND	99	60-140	8	20	
1,1-Dichloroethene	30.4	0.50	0.42	ug/l	25.0	5.10	101	60-130	8	20	
cis-1,2-Dichloroethene	27.7	0.50	0.32	ug/l	25.0	ND	111	65-130	9	20	
trans-1,2-Dichloroethene	26.6	0.50	0.30	ug/l	25.0	ND	107	65-130	8	20	
1,2-Dichloropropane	26.5	0.50	0.35	ug/l	25.0	ND	106	65-130	8	20	
cis-1,3-Dichloropropene	27.1	0.50	0.22	ug/l	25.0	ND	108	70-130	7	20	
trans-1,3-Dichloropropene	28.3	0.50	0.32	ug/l	25.0	ND	113	65-135	7	25	
Ethylbenzene	25.4	0.50	0.25	ug/l	25.0	ND	102	65-130	4	20	
2-Hexanone	22.3	5.0	2.6	ug/l	25.0	ND	89	25-140	20	35	
Isopropylbenzene	24.4	0.50	0.25	ug/l	25.0	ND	98	70-135	2	20	
4-Methyl-2-pentanone (MIBK)	25.5	5.0	3.5	ug/l	25.0	ND	102	40-140	17	35	
Methylene chloride	26.7	1.0	0.95	ug/l	25.0	1.63	100	50-135	9	20	
Styrene	23.0	0.50	0.20	ug/l	25.0	ND	92	50-145	3	30	
1,1,2,2-Tetrachloroethane	26.9	0.50	0.30	ug/l	25.0	ND	108	55-135	8	30	
Tetrachloroethene	32.8	0.50	0.32	ug/l	25.0	9.89	91	65-130	3	20	
Toluene	25.2	0.50	0.36	ug/l	25.0	ND	101	70-125	6	20	
1,2,3-Trichlorobenzene	25.1	0.50	0.30	ug/l	25.0	ND	100	60-135	11	20	
1,2,4-Trichlorobenzene	26.0	0.50	0.48	ug/l	25.0	ND	104	65-135	10	20	
1,1,1-Trichloroethane	24.7	0.50	0.30	ug/l	25.0	ND	99	65-140	5	20	
1,1,2-Trichloroethane	26.0	0.50	0.30	ug/l	25.0	ND	104	65-130	10	25	
Trichloroethene	32.1	0.50	0.26	ug/l	25.0	8.48	94	65-125	5	20	
Trichlorofluoromethane	28.0	0.50	0.34	ug/l	25.0	3.10	99	60-145	7	25	
Vinyl chloride	23.7	0.50	0.40	ug/l	25.0	ND	95	45-140	6	30	
m,p-Xylenes	53.1	1.0	0.60	ug/l	50.0	ND	106	65-130	4	25	
o-Xylene	27.2	1.0	0.30	ug/l	25.0	ND	109	65-125	4	20	
Methyl-tert-butyl Ether (MTBE)	25.6	0.50	0.32	ug/l	25.0	ND	102	55-145	11	25	
Surrogate: 4-Bromofluorobenzene	22.6			ug/l	25.0		90	80-120			
Surrogate: Dibromofluoromethane	24.3			ug/l	25.0		97	80-120			
Surrogate: Toluene-d8	24.5			ug/l	25.0		98	80-120			

TestAmerica Irvine

Sushmitha Reddy
Project Manager

Geologica
303 La Jolla Drive
Newport Beach, CA 92663
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METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
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Batch: 10J2882 Extracted: 10/25/10

Blank Analyzed: 10/25/2010 (10J2882-BLK1)

Acetone	ND	10	4.5	ug/l							
Benzene	ND	0.50	0.28	ug/l							
Bromochloromethane	ND	0.50	0.40	ug/l							
Bromodichloromethane	ND	0.50	0.30	ug/l							
Bromoform	ND	0.50	0.40	ug/l							
Bromomethane	ND	1.0	0.42	ug/l							
2-Butanone (MEK)	ND	5.0	4.7	ug/l							
Carbon Disulfide	ND	1.0	0.48	ug/l							
Carbon tetrachloride	ND	0.50	0.28	ug/l							
Chlorobenzene	ND	0.50	0.36	ug/l							
Chloroethane	ND	0.50	0.40	ug/l							
Chloroform	ND	0.50	0.33	ug/l							
Chloromethane	ND	0.50	0.40	ug/l							
1,2-Dibromo-3-chloropropane	ND	1.0	0.97	ug/l							
Dibromochloromethane	ND	0.50	0.40	ug/l							
1,2-Dibromoethane (EDB)	ND	1.0	0.40	ug/l							
1,2-Dichlorobenzene	ND	0.50	0.32	ug/l							
1,3-Dichlorobenzene	ND	0.50	0.35	ug/l							
1,4-Dichlorobenzene	ND	0.50	0.37	ug/l							
Dichlorodifluoromethane	ND	2.0	0.26	ug/l							
1,1-Dichloroethane	ND	0.50	0.40	ug/l							
1,2-Dichloroethane	ND	0.50	0.28	ug/l							
1,1-Dichloroethene	ND	0.50	0.42	ug/l							
cis-1,2-Dichloroethene	ND	0.50	0.32	ug/l							
trans-1,2-Dichloroethene	ND	0.50	0.30	ug/l							
1,2-Dichloropropane	ND	0.50	0.35	ug/l							
cis-1,3-Dichloropropene	ND	0.50	0.22	ug/l							
trans-1,3-Dichloropropene	ND	0.50	0.32	ug/l							
Ethylbenzene	ND	0.50	0.25	ug/l							
2-Hexanone	ND	5.0	2.6	ug/l							
Isopropylbenzene	ND	0.50	0.25	ug/l							
4-Methyl-2-pentanone (MIBK)	ND	5.0	3.5	ug/l							
Cyclohexane	ND	1.0	0.40	ug/l							
Methylene chloride	ND	1.0	0.95	ug/l							
Styrene	ND	0.50	0.20	ug/l							

TestAmerica Irvine

Sushmitha Reddy
Project Manager

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METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
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Batch: 10J2882 Extracted: 10/25/10

Blank Analyzed: 10/25/2010 (10J2882-BLK1)

1,1,2,2-Tetrachloroethane	ND	0.50	0.30	ug/l							
Tetrachloroethene	ND	0.50	0.32	ug/l							
Toluene	ND	0.50	0.36	ug/l							
1,2,3-Trichlorobenzene	ND	0.50	0.30	ug/l							
1,2,4-Trichlorobenzene	ND	0.50	0.48	ug/l							
1,1,1-Trichloroethane	ND	0.50	0.30	ug/l							
1,1,2-Trichloroethane	ND	0.50	0.30	ug/l							
Trichloroethene	ND	0.50	0.26	ug/l							
Trichlorofluoromethane	ND	0.50	0.34	ug/l							
Trichlorotrifluoroethane (Freon 113)	ND	2.0	0.50	ug/l							
Vinyl chloride	ND	0.50	0.40	ug/l							
m,p-Xylenes	ND	1.0	0.60	ug/l							
o-Xylene	ND	1.0	0.30	ug/l							
Xylenes, Total	ND	1.0	0.90	ug/l							
Methyl-tert-butyl Ether (MTBE)	ND	0.50	0.32	ug/l							
<i>Surrogate: 4-Bromofluorobenzene</i>	22.1			ug/l	25.0		88	80-120			
<i>Surrogate: Dibromofluoromethane</i>	22.0			ug/l	25.0		88	80-120			
<i>Surrogate: Toluene-d8</i>	24.1			ug/l	25.0		96	80-120			

LCS Analyzed: 10/25/2010 (10J2882-BS1)

Acetone	27.0	10	4.5	ug/l	25.0		108	30-140			
Benzene	22.8	0.50	0.28	ug/l	25.0		91	70-120			
Bromochloromethane	24.6	0.50	0.40	ug/l	25.0		99	70-130			
Bromodichloromethane	26.5	0.50	0.30	ug/l	25.0		106	70-135			
Bromoform	24.1	0.50	0.40	ug/l	25.0		96	55-130			
Bromomethane	19.5	1.0	0.42	ug/l	25.0		78	65-140			
2-Butanone (MEK)	28.8	5.0	4.7	ug/l	25.0		115	40-140			
Carbon Disulfide	24.0	1.0	0.48	ug/l	25.0		96	50-130			
Carbon tetrachloride	27.6	0.50	0.28	ug/l	25.0		111	65-140			
Chlorobenzene	24.5	0.50	0.36	ug/l	25.0		98	75-120			
Chloroethane	19.6	0.50	0.40	ug/l	25.0		78	60-140			
Chloroform	23.3	0.50	0.33	ug/l	25.0		93	70-130			
Chloromethane	17.0	0.50	0.40	ug/l	25.0		68	50-140			
1,2-Dibromo-3-chloropropane	26.0	1.0	0.97	ug/l	25.0		104	50-135			
Dibromochloromethane	27.1	0.50	0.40	ug/l	25.0		109	70-140			
1,2-Dibromoethane (EDB)	26.5	1.0	0.40	ug/l	25.0		106	75-125			

TestAmerica Irvine

Sushmitha Reddy
Project Manager

Geologica
303 La Jolla Drive
Newport Beach, CA 92663
Attention: Charles Wechsler

Project ID: Whittier GW Investigation
Report Number: ITJ1107

Sampled: 10/11/10
Received: 10/12/10

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
<u>Batch: 10J2882 Extracted: 10/25/10</u>											
LCS Analyzed: 10/25/2010 (10J2882-BS1)											
1,2-Dichlorobenzene	25.7	0.50	0.32	ug/l	25.0		103	75-120			
1,3-Dichlorobenzene	25.7	0.50	0.35	ug/l	25.0		103	75-120			
1,4-Dichlorobenzene	25.4	0.50	0.37	ug/l	25.0		101	75-120			
Dichlorodifluoromethane	15.4	2.0	0.26	ug/l	25.0		62	35-155			
1,1-Dichloroethane	22.7	0.50	0.40	ug/l	25.0		91	70-125			
1,2-Dichloroethane	26.1	0.50	0.28	ug/l	25.0		104	60-140			
1,1-Dichloroethene	23.8	0.50	0.42	ug/l	25.0		95	70-125			
cis-1,2-Dichloroethene	24.5	0.50	0.32	ug/l	25.0		98	70-125			
trans-1,2-Dichloroethene	24.0	0.50	0.30	ug/l	25.0		96	70-125			
1,2-Dichloropropane	23.8	0.50	0.35	ug/l	25.0		95	70-125			
cis-1,3-Dichloropropene	25.6	0.50	0.22	ug/l	25.0		102	75-125			
trans-1,3-Dichloropropene	27.7	0.50	0.32	ug/l	25.0		111	70-125			
Ethylbenzene	25.8	0.50	0.25	ug/l	25.0		103	75-125			
2-Hexanone	26.9	5.0	2.6	ug/l	25.0		108	45-140			
Isopropylbenzene	25.3	0.50	0.25	ug/l	25.0		101	75-130			
4-Methyl-2-pentanone (MIBK)	26.3	5.0	3.5	ug/l	25.0		105	45-140			
Methylene chloride	20.8	1.0	0.95	ug/l	25.0		83	55-130			
Styrene	27.1	0.50	0.20	ug/l	25.0		108	75-130			
1,1,2,2-Tetrachloroethane	25.0	0.50	0.30	ug/l	25.0		100	55-130			
Tetrachloroethene	25.6	0.50	0.32	ug/l	25.0		102	70-125			
Toluene	24.4	0.50	0.36	ug/l	25.0		98	70-120			
1,2,3-Trichlorobenzene	27.0	0.50	0.30	ug/l	25.0		108	65-125			
1,2,4-Trichlorobenzene	27.5	0.50	0.48	ug/l	25.0		110	70-135			
1,1,1-Trichloroethane	26.0	0.50	0.30	ug/l	25.0		104	65-135			
1,1,2-Trichloroethane	24.1	0.50	0.30	ug/l	25.0		96	70-125			
Trichloroethene	25.2	0.50	0.26	ug/l	25.0		101	70-125			
Trichlorofluoromethane	26.2	0.50	0.34	ug/l	25.0		105	65-145			
Vinyl chloride	20.9	0.50	0.40	ug/l	25.0		83	55-135			
m,p-Xylenes	54.9	1.0	0.60	ug/l	50.0		110	75-125			
o-Xylene	27.3	1.0	0.30	ug/l	25.0		109	75-125			
Methyl-tert-butyl Ether (MTBE)	24.5	0.50	0.32	ug/l	25.0		98	60-135			
Surrogate: 4-Bromofluorobenzene	22.8			ug/l	25.0		91	80-120			
Surrogate: Dibromofluoromethane	22.7			ug/l	25.0		91	80-120			
Surrogate: Toluene-d8	23.8			ug/l	25.0		95	80-120			

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Sushmitha Reddy
Project Manager

Geologica
303 La Jolla Drive
Newport Beach, CA 92663
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Received: 10/12/10

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10J2882 Extracted: 10/25/10											
Matrix Spike Analyzed: 10/25/2010 (10J2882-MS1)											
Source: ITJ1107-02											
Acetone	15.7	10	4.5	ug/l	25.0	ND	63	20-150			
Benzene	23.8	0.50	0.28	ug/l	25.0	ND	95	65-125			
Bromochloromethane	26.8	0.50	0.40	ug/l	25.0	ND	107	65-135			
Bromodichloromethane	27.8	0.50	0.30	ug/l	25.0	ND	111	70-135			
Bromoform	24.5	0.50	0.40	ug/l	25.0	ND	98	55-135			
Bromomethane	20.1	1.0	0.42	ug/l	25.0	ND	80	55-145			
2-Butanone (MEK)	22.3	5.0	4.7	ug/l	25.0	ND	89	30-145			
Carbon Disulfide	24.7	1.0	0.48	ug/l	25.0	ND	99	40-140			
Carbon tetrachloride	27.1	0.50	0.28	ug/l	25.0	ND	109	65-140			
Chlorobenzene	24.6	0.50	0.36	ug/l	25.0	ND	98	75-125			
Chloroethane	20.0	0.50	0.40	ug/l	25.0	ND	80	55-140			
Chloroform	34.1	0.50	0.33	ug/l	25.0	9.54	98	65-135			
Chloromethane	17.5	0.50	0.40	ug/l	25.0	ND	70	45-145			
1,2-Dibromo-3-chloropropane	23.8	1.0	0.97	ug/l	25.0	ND	95	45-145			
Dibromochloromethane	28.0	0.50	0.40	ug/l	25.0	ND	112	65-140			
1,2-Dibromoethane (EDB)	26.3	1.0	0.40	ug/l	25.0	ND	105	70-130			
1,2-Dichlorobenzene	25.9	0.50	0.32	ug/l	25.0	ND	104	75-125			
1,3-Dichlorobenzene	25.8	0.50	0.35	ug/l	25.0	ND	103	75-125			
1,4-Dichlorobenzene	25.2	0.50	0.37	ug/l	25.0	ND	101	75-125			
Dichlorodifluoromethane	15.2	2.0	0.26	ug/l	25.0	ND	61	25-155			
1,1-Dichloroethane	24.3	0.50	0.40	ug/l	25.0	ND	97	65-130			
1,2-Dichloroethane	28.6	0.50	0.28	ug/l	25.0	1.18	110	60-140			
1,1-Dichloroethene	96.1	0.50	0.42	ug/l	25.0	72.2	96	60-130			
cis-1,2-Dichloroethene	36.3	0.50	0.32	ug/l	25.0	9.88	106	65-130			
trans-1,2-Dichloroethene	25.4	0.50	0.30	ug/l	25.0	ND	102	65-130			
1,2-Dichloropropane	25.5	0.50	0.35	ug/l	25.0	ND	102	65-130			
cis-1,3-Dichloropropene	27.2	0.50	0.22	ug/l	25.0	ND	109	70-130			
trans-1,3-Dichloropropene	29.4	0.50	0.32	ug/l	25.0	ND	118	65-135			
Ethylbenzene	25.2	0.50	0.25	ug/l	25.0	ND	101	65-130			
2-Hexanone	23.0	5.0	2.6	ug/l	25.0	ND	92	25-140			
Isopropylbenzene	24.4	0.50	0.25	ug/l	25.0	ND	98	70-135			
4-Methyl-2-pentanone (MIBK)	26.3	5.0	3.5	ug/l	25.0	ND	105	40-140			
Methylene chloride	25.2	1.0	0.95	ug/l	25.0	ND	101	50-135			
Styrene	25.6	0.50	0.20	ug/l	25.0	ND	102	50-145			
1,1,2,2-Tetrachloroethane	25.1	0.50	0.30	ug/l	25.0	ND	100	55-135			

TestAmerica Irvine

Sushmitha Reddy
Project Manager

Geologica
303 La Jolla Drive
Newport Beach, CA 92663
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METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
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Batch: 10J2882 Extracted: 10/25/10

Matrix Spike Analyzed: 10/25/2010 (10J2882-MS1)

Source: ITJ1107-02

Tetrachloroethene	110	0.50	0.32	ug/l	25.0	89.2	84	65-130			
Toluene	25.4	0.50	0.36	ug/l	25.0	ND	102	70-125			
1,2,3-Trichlorobenzene	26.1	0.50	0.30	ug/l	25.0	ND	104	60-135			
1,2,4-Trichlorobenzene	27.3	0.50	0.48	ug/l	25.0	ND	109	65-135			
1,1,1-Trichloroethane	25.9	0.50	0.30	ug/l	25.0	ND	104	65-140			
1,1,2-Trichloroethane	25.8	0.50	0.30	ug/l	25.0	ND	103	65-130			
Trichloroethene	310	0.50	0.26	ug/l	25.0	292	72	65-125			
Trichlorofluoromethane	70.2	0.50	0.34	ug/l	25.0	44.3	104	60-145			
Vinyl chloride	21.0	0.50	0.40	ug/l	25.0	ND	84	45-140			
m,p-Xylenes	54.2	1.0	0.60	ug/l	50.0	ND	108	65-130			
o-Xylene	27.5	1.0	0.30	ug/l	25.0	ND	110	65-125			
Methyl-tert-butyl Ether (MTBE)	26.6	0.50	0.32	ug/l	25.0	0.430	105	55-145			
<i>Surrogate: 4-Bromofluorobenzene</i>	22.6			ug/l	25.0		90	80-120			
<i>Surrogate: Dibromofluoromethane</i>	23.9			ug/l	25.0		96	80-120			
<i>Surrogate: Toluene-d8</i>	24.2			ug/l	25.0		97	80-120			

Matrix Spike Dup Analyzed: 10/25/2010 (10J2882-MSD1)

Source: ITJ1107-02

Acetone	16.6	10	4.5	ug/l	25.0	ND	66	20-150	6	35	
Benzene	24.1	0.50	0.28	ug/l	25.0	ND	96	65-125	1	20	
Bromochloromethane	27.0	0.50	0.40	ug/l	25.0	ND	108	65-135	0.4	25	
Bromodichloromethane	27.9	0.50	0.30	ug/l	25.0	ND	112	70-135	0.5	20	
Bromoform	24.7	0.50	0.40	ug/l	25.0	ND	99	55-135	0.9	25	
Bromomethane	19.6	1.0	0.42	ug/l	25.0	ND	78	55-145	3	25	
2-Butanone (MEK)	22.6	5.0	4.7	ug/l	25.0	ND	90	30-145	1	40	
Carbon Disulfide	24.6	1.0	0.48	ug/l	25.0	ND	98	40-140	0.5	20	
Carbon tetrachloride	26.7	0.50	0.28	ug/l	25.0	ND	107	65-140	1	25	
Chlorobenzene	25.0	0.50	0.36	ug/l	25.0	ND	100	75-125	2	20	
Chloroethane	20.1	0.50	0.40	ug/l	25.0	ND	80	55-140	0.6	25	
Chloroform	35.2	0.50	0.33	ug/l	25.0	9.54	103	65-135	3	20	
Chloromethane	17.5	0.50	0.40	ug/l	25.0	ND	70	45-145	0.3	25	
1,2-Dibromo-3-chloropropane	23.6	1.0	0.97	ug/l	25.0	ND	95	45-145	0.6	30	
Dibromochloromethane	28.7	0.50	0.40	ug/l	25.0	ND	115	65-140	2	25	
1,2-Dibromoethane (EDB)	26.7	1.0	0.40	ug/l	25.0	ND	107	70-130	1	25	
1,2-Dichlorobenzene	26.0	0.50	0.32	ug/l	25.0	ND	104	75-125	0.3	20	
1,3-Dichlorobenzene	26.0	0.50	0.35	ug/l	25.0	ND	104	75-125	0.7	20	
1,4-Dichlorobenzene	25.7	0.50	0.37	ug/l	25.0	ND	103	75-125	2	20	

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Sushmitha Reddy
Project Manager

Geologica
303 La Jolla Drive
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METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10J2882 Extracted: 10/25/10											
Matrix Spike Dup Analyzed: 10/25/2010 (10J2882-MSD1)											
Source: ITJ1107-02											
Dichlorodifluoromethane	15.3	2.0	0.26	ug/l	25.0	ND	61	25-155	0.7	30	
1,1-Dichloroethane	24.7	0.50	0.40	ug/l	25.0	ND	99	65-130	2	20	
1,2-Dichloroethane	29.2	0.50	0.28	ug/l	25.0	1.18	112	60-140	2	20	
1,1-Dichloroethene	101	0.50	0.42	ug/l	25.0	72.2	117	60-130	5	20	
cis-1,2-Dichloroethene	37.1	0.50	0.32	ug/l	25.0	9.88	109	65-130	2	20	
trans-1,2-Dichloroethene	25.5	0.50	0.30	ug/l	25.0	ND	102	65-130	0.4	20	
1,2-Dichloropropane	25.8	0.50	0.35	ug/l	25.0	ND	103	65-130	1	20	
cis-1,3-Dichloropropene	27.3	0.50	0.22	ug/l	25.0	ND	109	70-130	0.3	20	
trans-1,3-Dichloropropene	30.0	0.50	0.32	ug/l	25.0	ND	120	65-135	2	25	
Ethylbenzene	25.6	0.50	0.25	ug/l	25.0	ND	102	65-130	1	20	
2-Hexanone	23.6	5.0	2.6	ug/l	25.0	ND	95	25-140	3	35	
Isopropylbenzene	24.8	0.50	0.25	ug/l	25.0	ND	99	70-135	2	20	
4-Methyl-2-pentanone (MIBK)	26.8	5.0	3.5	ug/l	25.0	ND	107	40-140	2	35	
Methylene chloride	25.6	1.0	0.95	ug/l	25.0	ND	102	50-135	2	20	
Styrene	25.0	0.50	0.20	ug/l	25.0	ND	100	50-145	3	30	
1,1,2,2-Tetrachloroethane	25.2	0.50	0.30	ug/l	25.0	ND	101	55-135	0.3	30	
Tetrachloroethene	116	0.50	0.32	ug/l	25.0	89.2	107	65-130	5	20	
Toluene	25.5	0.50	0.36	ug/l	25.0	ND	102	70-125	0.4	20	
1,2,3-Trichlorobenzene	26.4	0.50	0.30	ug/l	25.0	ND	105	60-135	1	20	
1,2,4-Trichlorobenzene	27.3	0.50	0.48	ug/l	25.0	ND	109	65-135	0.04	20	
1,1,1-Trichloroethane	26.4	0.50	0.30	ug/l	25.0	ND	106	65-140	2	20	
1,1,2-Trichloroethane	26.4	0.50	0.30	ug/l	25.0	ND	106	65-130	2	25	
Trichloroethene	327	0.50	0.26	ug/l	25.0	292	143	65-125	6	20	MHA
Trichlorofluoromethane	72.5	0.50	0.34	ug/l	25.0	44.3	113	60-145	3	25	
Vinyl chloride	21.0	0.50	0.40	ug/l	25.0	ND	84	45-140	0.1	30	
m,p-Xylenes	54.2	1.0	0.60	ug/l	50.0	ND	108	65-130	0.1	25	
o-Xylene	27.5	1.0	0.30	ug/l	25.0	ND	110	65-125	0.04	20	
Methyl-tert-butyl Ether (MTBE)	27.2	0.50	0.32	ug/l	25.0	0.430	107	55-145	2	25	
Surrogate: 4-Bromofluorobenzene	22.8			ug/l	25.0		91	80-120			
Surrogate: Dibromofluoromethane	23.7			ug/l	25.0		95	80-120			
Surrogate: Toluene-d8	24.2			ug/l	25.0		97	80-120			

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Sushmitha Reddy
Project Manager

Geologica
303 La Jolla Drive
Newport Beach, CA 92663
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METHOD BLANK/QC DATA

PURGEABLES BY GC/MS, TENTATIVELY IDENTIFIED COMPOUNDS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC %REC	Limits	RPD RPD	RPD Limit	Data Qualifiers
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Batch: 10J2770 Extracted: 10/23/10

Blank Analyzed: 10/23/2010 (10J2770-BLK1)

methylcyclohexane ND 2.5 N/A ug/l

Batch: 10J2844 Extracted: 10/24/10

Blank Analyzed: 10/24/2010 (10J2844-BLK1)

methylcyclohexane ND 2.5 N/A ug/l

Batch: 10J2882 Extracted: 10/25/10

Blank Analyzed: 10/25/2010 (10J2882-BLK1)

methylcyclohexane ND 2.5 N/A ug/l

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Sushmitha Reddy
Project Manager

Geologica
303 La Jolla Drive
Newport Beach, CA 92663
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METHOD BLANK/QC DATA

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3520C/8270C MOD)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	RPD Limit	Data Qualifiers
<u>Batch: 10J1364 Extracted: 10/13/10</u>											
Blank Analyzed: 10/14/2010 (10J1364-BLK1)											
<i>1,4-Dioxane</i> ND 1.0 0.30 ug/l											
<i>Surrogate: 1,4-Dioxane-d8</i> 1.32 1.32 ug/l 2.00 66 30-120											
LCS Analyzed: 10/14/2010 (10J1364-BS1)											
<i>1,4-Dioxane</i> 1.31 1.31 1.0 0.30 ug/l 2.00 66 35-120											
<i>Surrogate: 1,4-Dioxane-d8</i> 1.31 1.31 ug/l 2.00 65 30-120											
LCS Dup Analyzed: 10/14/2010 (10J1364-BSD1)											
<i>1,4-Dioxane</i> 1.36 1.35 1.0 0.30 ug/l 2.00 68 35-120 3 25											
<i>Surrogate: 1,4-Dioxane-d8</i> 1.35 1.35 ug/l 2.00 68 30-120											
MNR1											

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Sushmitha Reddy
Project Manager

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Attention: Charles Wechsler

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METHOD BLANK/QC DATA

METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
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Batch: 10J1429 Extracted: 10/13/10

Blank Analyzed: 10/13/2010 (10J1429-BLK1)

Mercury	ND	0.00020	0.00010	mg/l						
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LCS Analyzed: 10/13/2010 (10J1429-BS1)

Mercury	0.00832	0.00020	0.00010	mg/l	0.00800		104	80-120		
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Matrix Spike Analyzed: 10/13/2010 (10J1429-MS1)

Mercury	0.00815	0.00020	0.00010	mg/l	0.00800	ND	102	70-130		
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Matrix Spike Dup Analyzed: 10/13/2010 (10J1429-MSD1)

Mercury	0.00805	0.00020	0.00010	mg/l	0.00800	ND	101	70-130	1	20
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Batch: 10J2148 Extracted: 10/19/10

Blank Analyzed: 10/21/2010 (10J2148-BLK1)

Cadmium	ND	0.0050	0.0020	mg/l						
Chromium	ND	0.0050	0.0020	mg/l						
Silver	ND	0.010	0.0060	mg/l						

LCS Analyzed: 10/21/2010 (10J2148-BS1)

Cadmium	0.990	0.0050	0.0020	mg/l	1.00		99	80-120		
Chromium	1.01	0.0050	0.0020	mg/l	1.00		101	80-120		
Silver	0.501	0.010	0.0060	mg/l	0.500		100	80-120		

Matrix Spike Analyzed: 10/21/2010 (10J2148-MS1)

Cadmium	0.952	0.0050	0.0020	mg/l	1.00	ND	95	75-125		
Chromium	1.00	0.0050	0.0020	mg/l	1.00	0.0121	99	75-125		
Silver	0.511	0.010	0.0060	mg/l	0.500	ND	102	75-125		

TestAmerica Irvine

Sushmitha Reddy
Project Manager

Geologica
303 La Jolla Drive
Newport Beach, CA 92663
Attention: Charles Wechsler

Project ID: Whittier GW Investigation
Report Number: ITJ1107

Sampled: 10/11/10
Received: 10/12/10

METHOD BLANK/QC DATA

METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	RPD Limit	Data Qualifiers
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Batch: 10J2148 Extracted: 10/19/10

Matrix Spike Dup Analyzed: 10/21/2010 (10J2148-MSD1)

Source: ITJ1107-01

Cadmium	0.932	0.0050	0.0020	mg/l	1.00	ND	93	75-125	2	20
Chromium	0.981	0.0050	0.0020	mg/l	1.00	0.0121	97	75-125	2	20
Silver	0.503	0.010	0.0060	mg/l	0.500	ND	101	75-125	2	20

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Project Manager

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Geologica
303 La Jolla Drive
Newport Beach, CA 92663
Attention: Charles Wechsler

Project ID: Whittier GW Investigation
Report Number: ITJ1107

Sampled: 10/11/10
Received: 10/12/10

METHOD BLANK/QC DATA

DISSOLVED METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
<u>Batch: 10J1430 Extracted: 10/13/10</u>											
Blank Analyzed: 10/13/2010 (10J1430-BLK1)											
Mercury ND 0.00020 0.00010 mg/l											
LCS Analyzed: 10/13/2010 (10J1430-BS1)											
Mercury 0.00794 0.00020 0.00010 mg/l 0.00800 99 80-120											
Matrix Spike Analyzed: 10/13/2010 (10J1430-MS1)											
Mercury 0.00793 0.00020 0.00010 mg/l 0.00800 ND 99 70-130											
Matrix Spike Dup Analyzed: 10/13/2010 (10J1430-MSD1)											
Mercury 0.00803 0.00020 0.00010 mg/l 0.00800 ND 100 70-130 1 20											

Batch: 10J2165 Extracted: 10/19/10

Blank Analyzed: 10/19/2010 (10J2165-BLK1)

Cadmium	ND	0.0050	0.0020	mg/l
Chromium	ND	0.0050	0.0020	mg/l
Silver	ND	0.010	0.0060	mg/l

LCS Analyzed: 10/19/2010 (10J2165-BS1)

Cadmium	0.907	0.0050	0.0020	mg/l	1.00	91	80-120
Chromium	0.969	0.0050	0.0020	mg/l	1.00	97	80-120
Silver	0.476	0.010	0.0060	mg/l	0.500	95	80-120

Matrix Spike Analyzed: 10/19/2010 (10J2165-MS1)

Cadmium	0.891	0.0050	0.0020	mg/l	1.00	ND	89	75-125
Chromium	0.954	0.0050	0.0020	mg/l	1.00	0.00590	95	75-125
Silver	0.477	0.010	0.0060	mg/l	0.500	ND	95	75-125

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Sushmitha Reddy
Project Manager

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Report Number: ITJ1107

Sampled: 10/11/10
Received: 10/12/10

METHOD BLANK/QC DATA

DISSOLVED METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	RPD Limit	Data Qualifiers
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Batch: 10J2165 Extracted: 10/19/10

Matrix Spike Dup Analyzed: 10/19/2010 (10J2165-MSD1)

Source: ITJ1107-01

Cadmium	0.884	0.0050	0.0020	mg/l	1.00	ND	88	75-125	0.8	20
Chromium	0.939	0.0050	0.0020	mg/l	1.00	0.00590	93	75-125	2	20
Silver	0.472	0.010	0.0060	mg/l	0.500	ND	94	75-125	1	20

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Project Manager

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Geologica
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Attention: Charles Wechsler

Project ID: Whittier GW Investigation
Report Number: ITJ1107

Sampled: 10/11/10
Received: 10/12/10

METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
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Batch: 10J1192 Extracted: 10/12/10

Blank Analyzed: 10/12/2010 (10J1192-BLK1)

Nitrate-N	ND	0.11	0.060	mg/l						
Nitrite-N	ND	0.15	0.090	mg/l						
Sulfate	ND	0.50	0.20	mg/l						

LCS Analyzed: 10/12/2010 (10J1192-BS1)

Nitrate-N	1.16	0.11	0.060	mg/l	1.13		103	90-110		
Nitrite-N	1.51	0.15	0.090	mg/l	1.52		99	90-110		
Sulfate	9.57	0.50	0.20	mg/l	10.0		96	90-110		

Matrix Spike Analyzed: 10/12/2010 (10J1192-MS1)

Nitrate-N	23.0	5.5	3.0	mg/l	11.3	14.6	74	80-120		M2
Nitrite-N	20.5	7.5	4.5	mg/l	15.2	ND	135	80-120		M1
Sulfate	660	25	10	mg/l	100	604	56	80-120		MHA

Matrix Spike Analyzed: 10/12/2010 (10J1192-MS2)

Nitrate-N	17.9	2.2	1.2	mg/l	11.3	6.77	98	80-120		
Nitrite-N	18.3	3.0	1.8	mg/l	15.2	ND	120	80-120		
Sulfate	199	10	4.0	mg/l	100	103	95	80-120		

Matrix Spike Dup Analyzed: 10/12/2010 (10J1192-MSD1)

Nitrate-N	23.5	5.5	3.0	mg/l	11.3	14.6	78	80-120	2	20	M2
Nitrite-N	20.4	7.5	4.5	mg/l	15.2	ND	134	80-120	0.9	20	M1
Sulfate	647	25	10	mg/l	100	604	43	80-120	2	20	MHA

Batch: 10J1379 Extracted: 10/13/10

Duplicate Analyzed: 10/13/2010 (10J1379-DUP1)

pH	7.64	0.100	0.100	pH Units		7.63			0.1	5	HFT
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Sushmitha Reddy
Project Manager

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Newport Beach, CA 92663
Attention: Charles Wechsler

Project ID: Whittier GW Investigation
Report Number: ITJ1107

Sampled: 10/11/10
Received: 10/12/10

METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
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Batch: 10J1379 Extracted: 10/13/10

Duplicate Analyzed: 10/13/2010 (10J1379-DUP2)

pH	7.68	0.100	0.100	pH Units	Source: ITJ1174-01				0.1	5	HFT
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Batch: 10J1435 Extracted: 10/13/10

Blank Analyzed: 10/13/2010 (10J1435-BLK1)

Total Cyanide	ND	0.025	0.017	mg/l						
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LCS Analyzed: 10/13/2010 (10J1435-BS1)

Total Cyanide	0.184	0.025	0.017	mg/l	0.200	92	90-110				
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Matrix Spike Analyzed: 10/13/2010 (10J1435-MS1)

Total Cyanide	0.185	0.025	0.017	mg/l	0.200	ND	93	70-115			
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Matrix Spike Dup Analyzed: 10/13/2010 (10J1435-MSD1)

Total Cyanide	0.190	0.025	0.017	mg/l	0.200	ND	95	70-115	3	15	
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Batch: 10J2007 Extracted: 10/18/10

Blank Analyzed: 10/18/2010 (10J2007-BLK1)

Ammonia-N	ND	0.50	0.10	mg/l						
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LCS Analyzed: 10/18/2010 (10J2007-BS1)

Ammonia-N	0.975	0.50	0.10	mg/l	1.00	97	85-115				
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Matrix Spike Analyzed: 10/18/2010 (10J2007-MS1)

Ammonia-N	1.92	0.50	0.10	mg/l	2.00	ND	96	75-125			
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Newport Beach, CA 92663
Attention: Charles Wechsler

Project ID: Whittier GW Investigation
Report Number: ITJ1107

Sampled: 10/11/10
Received: 10/12/10

METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	RPD Limit	Data Qualifiers
---------	--------	-----------------	-----	-------	-------------	---------------	------	-------------	---------	-----------	-----------------

Batch: 10J2007 Extracted: 10/18/10

Matrix Spike Dup Analyzed: 10/18/2010 (10J2007-MSD1)

Ammonia-N 1.92 0.50 0.10 mg/l 2.00 ND 96 75-125 0 15

Source: ITJ1107-01

TestAmerica Irvine

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Project Manager

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ITJ1107 <Page 58 of 60>

Geologica
303 La Jolla Drive
Newport Beach, CA 92663
Attention: Charles Wechsler

Project ID: Whittier GW Investigation
Report Number: ITJ1107
Sampled: 10/11/10
Received: 10/12/10

DATA QUALIFIERS AND DEFINITIONS

- HFT** The holding time for this test is immediate. It was analyzed in the laboratory as soon as possible after receipt.
- J** Estimated value. Analyte detected at a level less than the Reporting Limit (RL) and greater than or equal to the Method Detection Limit (MDL). The user of this data should be aware that this data is of limited reliability.
- M1** The MS and/or MSD were above the acceptance limits due to sample matrix interference. See Blank Spike (LCS).
- M2** The MS and/or MSD were below the acceptance limits due to sample matrix interference. See Blank Spike (LCS).
- MHA** Due to high levels of analyte in the sample, the MS/MSD calculation does not provide useful spike recovery information. See Blank Spike (LCS).
- MNR1** There was no MS/MSD analyzed with this batch due to insufficient sample volume. See Blank Spike/Blank Spike Duplicate.
- QP1** Hydrocarbon result partly due to individual peak(s) in quantitation range.
- ND** Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified.
- RPD** Relative Percent Difference

ADDITIONAL COMMENTS

For 8260 analyses:

Due to the high water solubility of alcohols and ketones, the calibration criteria for these compounds is <30% RSD.

The average % RSD of all compounds in the calibration is 15%, in accordance with EPA methods.

For TICs:

All identifications are tentative and concentrations are estimates based upon spectral comparison to the EPA/NIH library.

For Volatile Fuel Hydrocarbons (C4-C12):

Volatile Fuel Hydrocarbons (C4-C12) are quantitated against a gasoline standard. Quantitation begins immediately before TBA-d9.

For Extractable Fuel Hydrocarbons (EFH, DRO, ORO) :

Unless otherwise noted, Extractable Fuel Hydrocarbons (EFH, DRO, ORO) are quantitated against a Diesel Fuel Standard.

Geologica
303 La Jolla Drive
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Attention: Charles Wechsler

Project ID: Whittier GW Investigation
Report Number: ITJ1107
Sampled: 10/11/10
Received: 10/12/10

Certification Summary

TestAmerica Irvine

Method	Matrix	Nelac	California
EPA 300.0	Water	X	X
EPA 6010B-Diss	Water	X	X
EPA 6010B	Water	X	X
EPA 7470A-Diss	Water	X	X
EPA 7470A	Water	X	X
EPA 8015B	Water	X	X
EPA 8260B	Water	X	X
EPA 8270C MOD	Water	N/A	N/A
EPA 9014	Water	X	X
EPA 9040B	Water	X	X
Filtration	Water	N/A	N/A
SM4500NH3-D	Water	X	X
TPH by GC/MS	Water	X	X

Nevada and NELAP provide analyte specific accreditations. Analyte specific information for TestAmerica may be obtained by contacting the laboratory or visiting our website at www.testamericainc.com

Subcontracted Laboratories

West Coast Analytical-SUB California Cert #1268

9240 Santa Fe Springs Road - Santa Fe Springs, CA 90670

Analysis Performed: Organic Acids

Samples: ITJ1107-01, ITJ1107-02, ITJ1107-03, ITJ1107-04, ITJ1107-05, ITJ1107-06

TestAmerica Irvine

Sushmitha Reddy
Project Manager

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

INTERNAL RECORD OF COMMUNICATION FORM

TODAYS DATE: 31/10/29 TIME: 3:10pm

PROJECT MANAGER: Bush

PROJECT STATUS:

- upcoming
- received today
- in progress
- completed
- on hold
- other _____

COMMUNICATION VIA:

- telephone
- facsimile
- e-mail
- COC form
- other _____

CLIENT: Geologica

CONTACT: Charles

WORK ORDER NUMBER: JTJ1107

PROJECT ID: Whittier GW investigation

MESSAGE:

Please send atleast a 125ml poly to
Exova/Bodycote for Org Acid. 10g il on a
std TAT - 7 days.

thanks Bush

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TAL-013(1007)

CHAIN OF CUSTODY FORM

17461 Derian Ave., #100, Irvine, CA 92614 (949) 261-1022 FAX (949) 260-3297
 1014 E. Cooley Dr., Suite A, Colton, CA 92324 (909) 370-4667 FAX (909) 370-1046
 9880 South 51st St., Suite B-120, Phoenix, AZ 85044 (480) 785-0043 FAX (480) 785-0851.
 2520 E. Sunset Rd. #3, Las Vegas, NV 89120 (702) 798-3620 FAX (702) 798-3621

TTT1107 Page 1 of 1

Client Name/Address:		Project/PO Number:		Analysis Required		Special Instructions	
Geologica Inc		Whitter and Investigation				Filtrer in Lab	
Project Manager:	Charles Wechsler	Phone Number:	949-929-8884	Dissolved metals			
Sampler:	Eric Till	Fax Number:		Total Metals			
Sample Description		Sample Matrix	Container Type	# of Cont.	Sampling Date	Sampling Time	Preservatives
W-1	NW-1	G-W	Various	11	10-11	12:00pm	Various
SW-1	SE-1			11	11	2:50pm	2:50pm
E-1	NE-1			11	11	7:00	7:45
All samples taken by Eric Till on 10/11/10 Total Cyanide, Nitrate, Lead, Zinc, Copper, Iron, Manganese, Total Metals, Dissolved metals, TP-H+1,4-dioxane, VOCs + THg							
Reinquished By:	<i>[Signature]</i>	Date/Time:	10/12/10 9:30 AM	Received By:	<i>[Signature]</i>	Date/Time:	10/12/10 9:30 AM
Reinquished By:	<i>[Signature]</i>	Date/Time:	10/12/10 9:30 AM	Received By:	<i>[Signature]</i>	Date/Time:	10/12/10 9:30 AM
Reinquished By:	<i>[Signature]</i>	Date/Time:	10/12/10 9:30 AM	Received By:	<i>[Signature]</i>	Date/Time:	10/12/10 9:30 AM
Turnaround Time: (Check)		Turnaround Time: (Check)					
same day	<input checked="" type="checkbox"/>	72 hours	<input type="checkbox"/>				
24 hours	<input type="checkbox"/>	5 days	<input checked="" type="checkbox"/>				
48 hours	<input type="checkbox"/>	normal	<input checked="" type="checkbox"/>				
Sample Integrity: (Check)		Sample Integrity: (Check)					
intact	<input checked="" type="checkbox"/>	on ice	5.8°C				

Note: By relinquishing samples to TestAmerica, client agrees to pay for the services requested on this chain of custody form and any additional analyses performed on this project. Payment for services is due within 30 days from the date of invoice. Sampler(s) will be disposed of after 30 days.

Client: TestAmerica - Irvine
Job No.: 126284

Acetic Acid by SOP 4130, Rev 4
Ion Chromatography-Suppressed Conductivity

Column: AS11-HC 250 mm x 4 mm, AG11-HC Guard 50 mm x 4 mm
Eluent: Sodium hydroxide, 2.4 mM, 1.2 mL/min
Injection: 300 µL
Detection: Suppressed Conductivity

Sample Preparation: The samples were diluted at 1 mL to 50 mL with water for analysis. Detection limits are corrected for the dilution factor necessary for analysis. The results were measured as the acetate anion and converted to the acid by molecular weight.

<u>Sample ID</u>	<u>Parts Per Million (mg/L)</u>	<u>Detection Limit</u>
ITJ1107-01 I	ND	0.5
ITJ1107-02 I	ND	0.5
ITJ1107-03 I	ND	0.5
ITJ1107-04 I	ND	0.5
ITJ1107-05 I	ND	0.5
ITJ1107-06 I	ND	0.5
Method Blank	ND	0.5

Date Analyzed: 11-03-10

Calibration Summary

Sample ID: Laboratory Control Standard (2.00 ppm Second Source Standard)

<u>Analyte</u>	<u>Result</u>	<u>% Rec</u>	<u>% Rec Limits</u>
Acetate	1.93	97	90-110

Standard Curve (n=5) $r^2 \geq 0.999$

Date Analyzed: 11-03-10

Quality Control Summary

Sample ID:	ITJ1107-01 I							
<u>Analyte</u>	<u>Sample Result</u>	<u>Spike Conc</u>	<u>Spike Result</u>	<u>Spike % Rec</u>	<u>Spike Duplicate Result</u>	<u>Spike Duplicate % Rec</u>	<u>Spike RPD</u>	
Acetic Acid	ND	25.4	28.2	111	28.5	112	1	

QC Guidelines

<u>Analyte</u>	<u>% Recovery</u>	<u>RPD Limit</u>
Acetic Acid	69 - 140	20

Exova Inc – Santa Fe Springs – 562-948-2225

The above data is considered preliminary and may not reflect final reported values.

A final signed report will be mailed to you.

geologica

5 Third Street, Suite 224
San Francisco, CA 94105